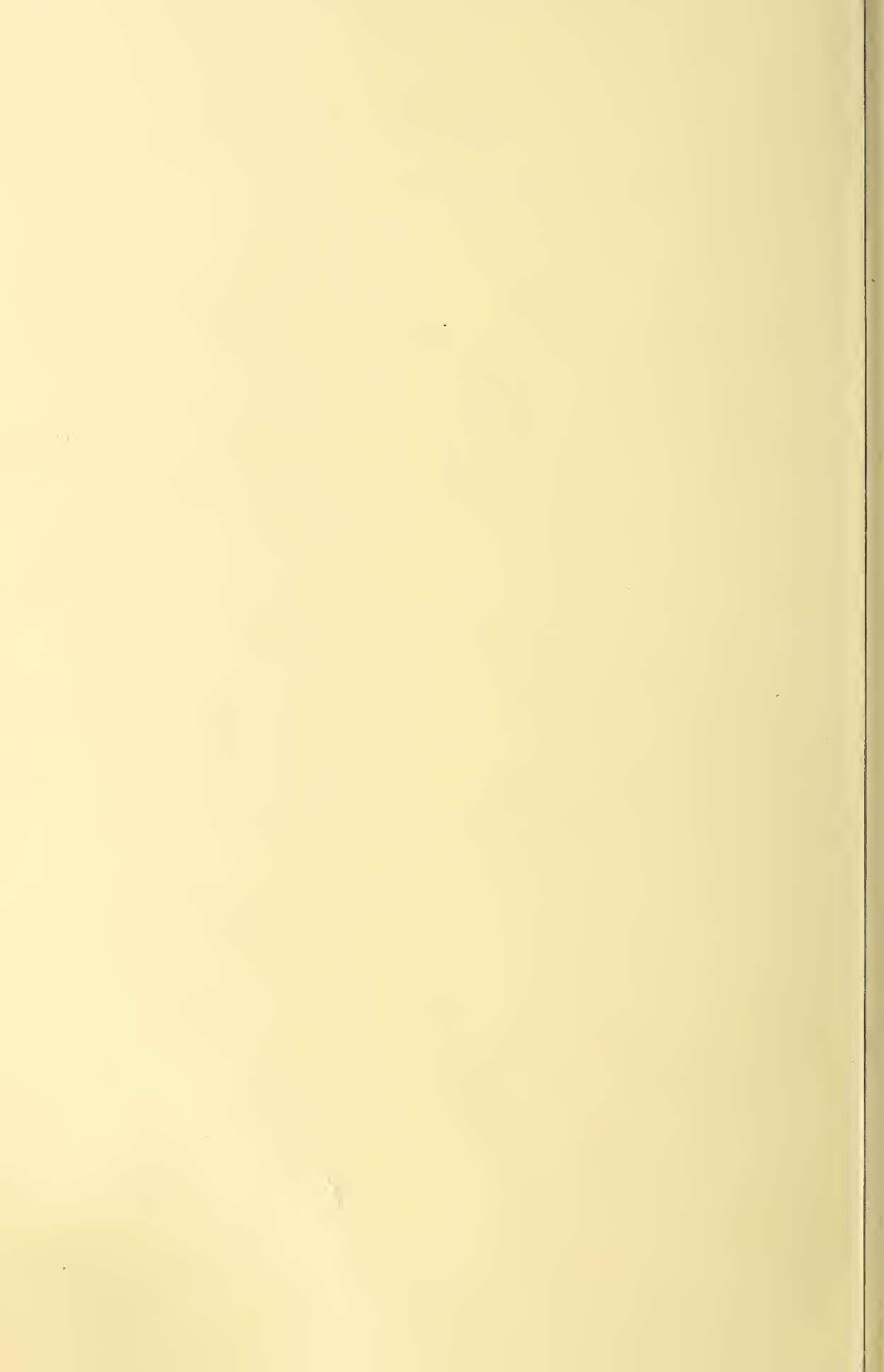


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ESTIMATES OF APPROPRIATIONS

—FOR THE—

DEPARTMENT OF AGRICULTURE

REQUIRED FOR THE SERVICE OF THE
FISCAL YEAR ENDING JUNE 30

1918

PREPARED FOR THE USE OF THE COMMITTEE ON AGRICULTURE,
HOUSE OF REPRESENTATIVES

NOTE.—Matter or items appearing in the last appropriation act and proposed to be omitted from these estimates is inclosed in heavy brackets, thus [].

New or substituted matter appearing in miscellaneous appropriations is printed in *italics*.

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ESTIMATES OF APPROPRIATIONS

—FOR THE—

DEPARTMENT OF AGRICULTURE

REQUIRED FOR THE SERVICE OF THE
FISCAL YEAR ENDING JUNE 30

1918

PREPARED FOR THE USE OF THE COMMITTEE ON AGRICULTURE,
HOUSE OF REPRESENTATIVES

NOTE.—Matter or items appearing in the last appropriation act and proposed to be omitted from these estimates is inclosed in heavy brackets, thus [].

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United States Department of Agriculture.

COMPARISON OF ESTIMATES OF APPROPRIATIONS FOR 1918 WITH APPROPRIATIONS MADE FOR 1917.

Titles of appropriations.	Total of appropriations for 1917.	Total of estimates for 1918.	Apparent increase in estimates for 1918 over act for 1917.	Actual increase in estimates for 1918 over act for 1917.	Apparent decrease in estimates for 1918 below act for 1917.	Actual decrease in estimates for 1918 below act for 1917.
OFFICE OF THE SECRETARY.						
Statutory salaries, Secretary's Office.....	\$402,350.00	\$422,070.00	\$19,720.00	\$17,120.00	.....	.....
Statutory salaries, Office of Farm Management.....	60,810.00	68,430.00	7,620.00	.....	.....	.....
General expenses, Office of Farm Management:						
Farm management.....	220,000.00	262,380.00	42,380.00	50,000.00	.....	.....
Logged-off lands.....	5,000.00	5,000.00	.....	.....	.....	.....
A net increase of \$69,720.	688,160.00	757,880.00	69,720.00	67,120.00	.....	.....
WEATHER BUREAU.						
Statutory salaries.....	336,060.00	342,230.00	6,170.00	14,330.00	.....	.....
General expenses:						
Station salaries.....	626,720.00	687,500.00	60,780.00	52,620.00	.....	.....
Miscellaneous station expenses.....	193,740.00	229,000.00	35,260.00	35,260.00	.....	.....
Central office expenses.....	109,250.00	109,250.00	.....	.....	.....	.....
Special observations and reports.....	130,040.00	131,500.00	1,460.00	1,460.00	.....	.....
Traveling expenses.....	24,000.00	25,500.00	1,500.00	1,500.00	.....	.....
Telegraphing and telephoning.....	292,150.00	294,750.00	2,600.00	2,600.00	.....	.....
Printing office.....	12,800.00	12,800.00	.....	.....	.....	.....
Cape Henry building.....	22,500.00	.....	.....	.....	\$22,500.00	\$22,500.00
Panama building.....	.....	22,500.00	22,500.00	22,500.00	.....	.....
A net increase of \$107,770.	1,747,260.00	1,855,030.00	130,270.00	130,270.00	22,500.00	22,500.00
BUREAU OF ANIMAL INDUSTRY.						
Statutory salaries.....	398,470.00	446,970.00	48,500.00	12,980.00	.....	.....
General expenses:						
Inspection and quarantine.....	532,780.00	603,280.00	70,500.00	78,500.00	.....	.....
Eradicating cattle ticks.....	582,400.00	581,560.00	.....	.....	840.00	.....
Live stock demonstrations.....	50,000.00	50,000.00	.....	.....	.....	.....
Dairy industry.....	272,470.00	378,930.00	101,460.00	117,020.00	.....	.....
Manufacture and marketing of cheese.....	5,000.00	.....	.....	.....	.....	.....
Animal husbandry.....	146,320.00	196,360.00	50,040.00	56,080.00	.....	.....
Military horse breeding.....	25,000.00	22,840.00	.....	.....	2,160.00	.....
Purchase of land, Middlebury, Vt.....	.....	15,000.00	15,000.00	15,000.00	.....	.....
Poultry feeding and breeding.....	37,000.00	43,380.00	6,380.00	10,000.00	.....	.....
Diseases of animals.....	88,020.00	84,600.00	.....	.....	3,420.00	.....
Contagious abortion of animals.....	50,000.00	50,000.00	.....	.....	.....	.....
Construction of buildings at Bethesda and Beltsville.....	23,600.00	23,600.00	.....	.....	.....	.....
Eradicating hog cholera.....	150,000.00	208,800.00	58,800.00	60,000.00	.....	.....
Control of viruses, etc.....	175,000.00	172,240.00	.....	.....	2,760.00	.....
Hog cholera research.....	35,000.00	32,060.00	.....	.....	2,940.00	.....
Eradicating dourine.....	75,000.00	99,000.00	24,000.00	25,000.00	.....	.....
Administrative expenses.....	30,186.00	26,686.00	.....	.....	3,500.00	.....
Meat inspection, Bureau of Animal Industry.....	344,500.00	575,360.00	230,860.00	215,340.00	.....	.....
A net increase of \$589,920.	3,020,746.00	3,610,666.00	605,540.00	589,920.00	15,620.00	.....
BUREAU OF PLANT INDUSTRY.						
Statutory salaries.....	418,240.00	422,660.00	4,420.00	.....	.....	11,760.00
General expenses:						
Pathological laboratory.....	38,500.00	62,500.00	24,000.00	24,000.00	.....	.....
Fruit diseases.....	63,615.00	71,415.00	7,800.00	7,800.00	.....	.....
Citrus canker.....	250,000.00	250,000.00	.....	.....	.....	.....
Forest pathology.....	87,175.00	85,915.00	.....	.....	1,260.00	.....
Cotton and truck diseases.....	59,000.00	82,800.00	23,800.00	25,000.00	.....	.....
Crop physiology.....	49,540.00	54,060.00	4,520.00	5,000.00	.....	.....
Bacteriology and nutrition.....	42,000.00	39,300.00	.....	.....	2,700.00	.....

Comparison of estimates of appropriations for 1918 with appropriations made for 1917—Continued.

Titles of appropriations.	Total of appropriations for 1917.	Total of estimates for 1918.	Apparent increase in estimates for 1918 over act for 1917.	Actual increase in estimates for 1918 over act for 1917.	Apparent decrease in estimates for 1918 below act for 1917.	Actual decrease in estimates for 1918 below act for 1917.
BUREAU OF PLANT INDUSTRY—continued.						
General expenses—Continued.						
Soil fertility investigations.....	\$35,200.00	\$36,260.00	\$1,060.00	\$2,500.00		
Crop acclimatization.....	42,580.00	75,010.00	32,430.00	25,000.00		
Drug and other plants.....	53,820.00	58,820.00	5,000.00	5,000.00		
Crop technology.....	25,770.00	24,940.00		6,600.00	\$830.00	
Grain standardization ¹	¹ 88,770.00				88,770.00	
Biophysical investigations.....	32,500.00	32,500.00				
Seed testing laboratories.....	31,700.00	34,700.00	3,000.00	3,000.00		
Cereal investigations.....	104,505.00	116,505.00	12,000.00	12,000.00		
Corn improvement.....	40,000.00	40,000.00				
Black and stripe rust.....	20,000.00	20,000.00				
Tobacco investigations.....	27,500.00	32,000.00	4,500.00	4,500.00		
Paper plant investigations.....	10,840.00	16,760.00	5,920.00	5,920.00		
Alkali and drought resistant plants.....	22,280.00	24,280.00	2,000.00	2,000.00		
Sugar beet investigations.....	31,495.00	33,515.00	2,020.00	2,500.00		
Improving sugar beet seed.....	10,000.00	10,000.00				
Table sirup.....	10,000.00	12,500.00	2,500.00	6,500.00		
Economic and systematic botany.....	24,000.00	26,100.00	2,100.00	3,000.00		
Dry land agriculture.....	160,000.00	160,000.00				
Western irrigation agriculture.....	75,380.00	75,380.00				
Pomological investigations.....	105,060.00	102,200.00			2,860.00	
Experimental gardens and grounds.....	11,690.00	11,690.00				
Horticultural investigations.....	56,080.00	65,240.00	9,160.00	10,000.00		
Arlington farm.....	15,000.00	21,900.00	6,900.00	7,500.00		
Foreign seed and plant introduction.....	70,400.00	93,040.00	22,640.00	23,000.00		
Purchase of land at Chico, California.....		35,000.00	35,000.00	35,000.00		
Forage crop investigations.....	80,920.00	79,180.00			1,740.00	
New and rare seeds.....	60,000.00	60,000.00				
Administrative and miscellaneous.....	31,020.00	31,020.00				
Purchase and distribution of valuable seeds.....	252,540.00	243,720.00			8,820.00	\$7,500.00
	2,537,120.00	2,640,910.00	210,770.00	215,820.00	106,980.00	19,260.00
A net increase of \$103,790.						
FOREST SERVICE.						
Statutory salaries.....	2,361,320.00	2,449,580.00	88,260.00	2,620.00		
General expenses:						
National forests.....	1,800,307.00	1,816,367.00	16,060.00	58,000.00		
Agricultural land classification.....	100,000.00	78,400.00			21,600.00	
Survey, etc., of lands.....	85,000.00	69,300.00			15,700.00	
Fighting forest fires.....	150,000.00	150,000.00				
Maintenance and supplies.....	150,400.00	161,100.00	10,700.00	12,500.00		
Forest products.....	135,200.00	178,100.00	42,900.00	47,500.00		
National forest range investigations.....	30,000.00	35,000.00	5,000.00	5,000.00		
National forest planting.....	165,640.00	165,640.00				
Silvical investigations.....	78,728.00	83,728.00	5,000.00	5,000.00		
Reconnaissance.....	60,000.00	70,000.00	10,000.00	10,000.00		
Miscellaneous forest investigations.....	33,140.00	33,140.00				
Improvement of the national forests.....	400,000.00	500,000.00	100,000.00	100,000.00		
Acquisition of lands for protection of watersheds of navigable streams.....	1,000,000.00				1,000,000.00	1,000,000.00
	2,654,735.00	2,579,355.00	277,920.00	240,620.00	1,037,300.00	1,000,000.00
A net decrease of \$759,380.						
BUREAU OF CHEMISTRY.						
Statutory salaries.....	315,590.00	362,130.00	46,540.00	12,910.00		
General expenses:						
Agricultural investigations.....	42,400.00	42,400.00				
Collaboration with other departments.....	14,000.00	14,000.00				
American food products.....	4,280.00	4,280.00				
Poultry and egg investigations.....	40,000.00	50,000.00	10,000.00	10,000.00		
Fish investigations.....	14,000.00	18,600.00	4,600.00	4,600.00		
Oyster and other shellfish investigations.....	5,000.00	5,000.00				
Biological investigations.....	10,000.00	15,000.00	5,000.00	5,000.00		
Citrus by-products investigations.....	8,080.00	13,000.00	4,920.00	4,920.00		
Color investigations.....	50,000.00	49,400.00			600.00	
Table sirup.....		7,000.00	7,000.00	3,000.00		
Traveling laboratory.....	7,500.00				7,500.00	7,500.00
Enforcement of the food and drugs act.....	632,951.00	623,521.00		26,200.00	9,430.00	
Purity standards for food.....		75,000.00	75,000.00	75,000.00		
Naval stores investigations.....	10,000.00	10,000.00				
	1,153,801.00	1,289,331.00	153,060.00	141,630.00	17,530.00	7,500.00
A net increase of \$135,130.						

¹ This item transferred to Bureau of Markets.² Does not include \$2,000,000 appropriated in 1917 bill for the fiscal year 1918.

Comparison of estimates of appropriations for 1918 with appropriations made for 1917—Continued.

Titles of appropriations.	Total of appropriations for 1917.	Total of estimates for 1918.	Apparent increase in estimates for 1918 over act for 1917.	Actual increase in estimates for 1918 over act for 1917.	Apparent decrease in estimates for 1918 below act for 1917.	Actual decrease in estimates for 1918 below act for 1917.
BUREAU OF SOILS.						
Statutory salaries.....	\$70,000.00	\$72,620.00	\$2,620.00	\$400.00		
General expenses:						
Chemical investigations.....	20,610.00	25,610.00	5,000.00	5,000.00		
Physical investigations.....	12,225.00	12,225.00				
Investigations of fertilizer resources.....	35,600.00	33,380.00			\$2,220.00	
Extraction of potash salts from kelp.....	175,000.00				175,000.00	\$175,000.00
Soil survey investigations.....	168,200.00	198,200.00	30,000.00	30,000.00		
Classification of agricultural lands.....	18,100.00	18,100.00				
Administrative expenses.....	4,000.00	4,000.00				
A net decrease of \$139,600.	503,735.00	364,135.00	37,620.00	35,400.00	177,220.00	175,000.00
BUREAU OF ENTOMOLOGY.						
Statutory salaries.....	99,180.00	103,900.00	4,720.00	1,720.00		
General expenses:						
Deciduous fruit insects.....	60,780.00	78,380.00	17,600.00	17,600.00		
Cereal and forage insects.....	114,660.00	123,260.00	8,600.00	10,000.00		
Southern field crop insects.....	64,400.00	74,400.00	10,000.00	10,000.00		
Forest insects.....	50,770.00	50,770.00				
Truck crop and stored product insects.....	42,760.00	47,760.00	5,000.00	5,000.00		
Bee culture.....	20,000.00	20,000.00				
Tropical and subtropical fruit insects.....	17,100.00	25,000.00	7,900.00	7,900.00		
Mediterranean fruit fly.....	33,200.00	33,200.00				
Insect disease investigations.....		20,000.00	20,000.00	20,000.00		
Miscellaneous insects.....	57,980.00	56,380.00			1,600.00	
General administrative expenses.....	3,000.00	3,000.00				
Preventing spread of moths, Bureau of Entomology.....	305,050.00	305,050.00				
A net increase of \$72,220.	868,880.00	941,100.00	73,820.00	72,220.00	1,600.00	
BUREAU OF BIOLOGICAL SURVEY.						
Statutory salaries.....	44,030.00	47,770.00	3,740.00	2,600.00		
General expenses:						
Game preservation.....	14,600.00	22,000.00	7,400.00	7,400.00		
Maintenance of mammal and bird reservations.....	22,500.00	37,500.00	15,000.00	15,000.00		
Game for national reservations.....	2,500.00	2,500.00				
Food habits of birds and mammals.....	130,540.00	130,540.00				
Exterminating ground squirrels on national forests and public domain.....	15,000.00	15,000.00				
Investigating disease of wild ducks in Salt Lake Valley.....	5,000.00	5,000.00				
Destroying noxious animals on national forests and public domain.....	125,000.00	125,000.00				
Suppression of rabies in predatory wild animals.....	125,000.00	125,000.00				
Biological investigations.....	26,500.00	30,600.00	4,100.00	5,000.00		
Protection of migratory birds.....	50,000.00	100,000.00	50,000.00	50,000.00		
Administrative expenses.....	12,560.00	15,000.00	2,440.00	2,680.00		
Sullys Hill National Park game preserve, North Dakota.....	5,000.00	5,000.00				
A net increase of \$82,680.	578,230.00	660,910.00	82,680.00	82,680.00		
DIVISION OF ACCOUNTS AND DISBURSEMENTS.						
Statutory salaries.....	44,920.00	44,720.00			200.00	200.00
A net decrease of \$200.						
DIVISION OF PUBLICATIONS.						
Statutory salaries.....	177,400.00	184,160.00	6,760.00	6,760.00		
General expenses:						
Labor-saving material and machinery.....	3,000.00	3,500.00	500.00	500.00		
Stationery and materials.....	6,500.00	6,500.00				
Furniture and fixtures.....	1,000.00	1,320.00	320.00	320.00		
Photographic equipment.....	6,000.00	25,800.00	19,800.00	19,800.00		
Communication and transportation service.....	250.00	250.00				
Wagons, horses, etc.....	500.00	500.00				
Miscellaneous expenses.....	3,000.00	3,000.00				
A net increase of \$27,380.	197,650.00	225,020.00	27,380.00	27,380.00		

Comparison of estimates of appropriations for 1918 with appropriations made for 1917—Continued.

Titles of appropriations.	Total of appropriations for 1917.	Total of estimates for 1918.	Apparent increase in estimates for 1918 over act for 1917.	Actual increase in estimates for 1918 over act for 1917.	Apparent decrease in estimates for 1918 below act for 1917.	Actual decrease in estimates for 1918 below act for 1917.
BUREAU OF CROP ESTIMATES.						
Statutory salaries.....	\$122,880.00	\$130,340.00	\$7,460.00	\$7,460.00		
General expenses:						
Administrative expenses.....	24,700.00	24,700.00				
Field investigations.....	168,856.00	194,896.00	26,040.00	26,040.00		
A net increase of \$33,500.	316,436.00	349,936.00	33,500.00	33,500.00		
LIBRARY.						
Statutory salaries.....	31,520.00	34,920.00	3,400.00	2,400.00		
General expenses.....	18,000.00	27,000.00	9,000.00	10,000.00		
A net increase of \$12,400	49,520.00	61,920.00	12,400.00	12,400.00		
Miscellaneous expenses.....	122,500.00	122,500.00				
No change.						
Rent in the District of Columbia.....	123,689.00	143,689.00	20,000.00	20,000.00		
A net increase of \$20,000.						
STATES RELATIONS SERVICE.						
Statutory salaries.....	127,540.00	137,740.00	10,200.00	2,660.00		
General expenses:						
Agricultural experiment stations.....	1,440,000.00	1,440,000.00				
Colleges and stations.....	58,500.00	68,500.00	10,000.00	10,000.00		
Farmers' cooperative demonstrations—North and West.....	478,240.00	578,240.00	100,000.00	105,200.00		
Farmers' cooperative demonstrations—South.....	661,300.00	659,560.00			\$1,740.00	
Farmers' institutes and agricultural schools.....	20,600.00	26,600.00	6,000.00	6,000.00		
Agricultural experiment station—Alaska.....	48,000.00	60,000.00	12,000.00	12,000.00		
Agricultural experiment station—Hawaii.....	40,000.00	50,000.00	10,000.00	10,000.00		
Agricultural experiment station—Porto Rico.....	40,000.00	50,000.00	10,000.00	10,000.00		
Agricultural experiment station—Island of Guam.....	15,000.00	15,000.00				
Home economics.....	24,220.00	50,000.00	25,780.00	25,780.00		
General administrative expenses.....	16,280.00	20,000.00	3,720.00	4,320.00		
A net increase of \$185,960.	2,969,680.00	3,155,640.00	187,700.00	185,960.00	1,740.00	
OFFICE OF PUBLIC ROADS AND RURAL ENGINEERING.						
Statutory salaries.....	88,380.00	98,720.00	10,340.00	3,360.00		
General expenses:						
Road management.....	39,540.00	41,040.00	1,500.00	4,000.00		
Investigating road building and maintenance.....	142,780.00	141,780.00			1,000.00	
Road material.....	37,780.00	51,220.00	13,440.00	15,000.00		
Field experiments.....	60,000.00	60,000.00				
Farm irrigation.....	103,400.00	102,440.00			960.00	
Farm drainage.....	94,720.00	93,760.00			960.00	
Rural engineering.....	20,000.00	30,000.00	10,000.00	10,000.00		
Administrative expenses.....	12,600.00	16,000.00	3,400.00	3,400.00		
Laboratory building.....		75,000.00	75,000.00	75,000.00		
A net increase of \$110,760.	599,200.00	709,960.00	113,680.00	110,760.00	2,920.00	
BUREAU OF MARKETS.						
Statutory salaries.....	129,880.00	198,420.00	68,540.00	17,260.00		
General expenses:						
Marketing and distributing farm products.....	285,000.00	295,400.00	10,400.00	16,000.00		
Collecting and distributing market information.....	136,600.00	184,740.00	48,140.00	71,000.00		
Market reports on live stock and meats.....	65,000.00	66,800.00	1,800.00	1,800.00		
Cotton standards investigations.....	19,380.00	24,380.00	5,000.00	5,660.00		
Cotton testing.....	28,620.00	28,620.00				
Rural cooperation.....	32,860.00	30,760.00			2,100.00	
State cooperation in marketing.....	35,000.00	51,600.00	16,600.00	16,600.00		
Grain standardization ¹		106,590.00	106,590.00	20,880.00		
Administrative expenses.....	19,500.00	20,105.00	605.00	14,565.00		
Enforcement of the United States cotton-futures act.....	120,750.00	98,600.00			22,150.00	\$21,310.00
Enforcement of the United States grain standards act ²		519,140.00	519,140.00	271,340.00		
Administration of the United States warehouse act ²		59,620.00	59,620.00	9,620.00		
A net increase of \$812,185.	872,590.00	1,684,775.00	836,435.00	444,725.00	24,250.00	21,310.00

¹ This item transferred from Bureau of Plant Industry to Bureau of Markets.² These items transferred from miscellaneous section of the bill to the Bureau of Markets.

Comparison of estimates of appropriations for 1918 with appropriations made for 1917—Continued.

Titles of appropriations.	Total of appropriations for 1917.	Total of estimates for 1918.	Apparent increase in estimates for 1918 over act for 1917.	Actual increase in estimates for 1918 over act for 1917.	Apparent decrease in estimates for 1918 below act for 1917.	Actual decrease in estimates for 1918 below act for 1917.
ENFORCEMENT OF THE INSECTICIDE ACT.						
Statutory salaries.....	\$24,590.00	\$25,990.00	\$1,400.00	\$920.00	.....	.....
General expenses.....	80,410.00	87,430.00	7,020.00	7,500.00	.....	.....
A net increase of \$8,420.	105,000.00	113,420.00	8,420.00	8,420.00	.....	.....
FEDERAL HORTICULTURAL BOARD.						
Statutory salaries.....	13,640.00	20,500.00	6,860.00	.....	.....	.....
General expenses.....	61,360.00	54,500.00	.....	.....	\$6,860.00	.....
No change.	75,000.00	75,000.00	6,860.00	.....	6,860.00	.....
MISCELLANEOUS.						
Demonstrations on reclamation projects.....	40,000.00	50,000.00	10,000.00	10,000.00	.....	.....
International farm congress and soil-products exposition, El Paso, Tex.....	20,000.00	.....	.....	.....	20,000.00	\$20,000.00
National dairy show association, Springfield, Mass.....	15,000.00	.....	.....	.....	15,000.00	15,000.00
Cooperative fire protection of forested watersheds of navigable streams.....	100,000.00	100,000.00	.....	.....	.....	.....
Enforcement of the United States grain standards act.....	250,000.00	.....	.....	.....	² 250,000.00	.....
Enforcement of the United States warehouse act.....	50,000.00	.....	.....	.....	² 50,000.00	.....
Experiments and demonstrations in live-stock production in the cane-sugar and cotton districts of the United States.....	60,000.00	60,000.00	.....	.....	.....	.....
Experiments in dairying and live-stock production in semi-arid and irrigated districts of the western United States.....	40,000.00	40,000.00	.....	.....	.....	.....
Eradication of foot-and-mouth and other contagious diseases of animals.....	1,250,000.00	1,250,000.00	.....	.....	.....	.....
Total agricultural bill.....	¹ 24,948,852.00	¹ 26,096,907.00	2,897,775.00	2,428,825.00	1,749,720.00	1,280,770.00
Net increase in agricultural bill, \$1,148,055, about 4 per cent.	.....	.....	.....	.....	.....	.....
Permanent annual appropriations.....	11,615,000.00	17,235,000.00	5,620,000.00	5,620,000.00	.....	.....
Printing and binding (sundry civil act).....	600,000.00	675,000.00	75,000.00	75,000.00	.....	.....
Appropriation transferred from the Interior Department.....	25,000.00	.....	.....	.....	25,000.00	25,000.00
Total of all appropriations for the Department of Agriculture.....	37,188,852.00	44,006,907.00	8,592,775.00	8,123,825.00	1,774,720.00	1,305,770.00

¹ Does not include \$2,000,000 appropriated under Weeks law for the fiscal year 1918.² These items have been transferred to Bureau of Markets.

ESTIMATES OF APPROPRIATIONS REQUIRED FOR THE SERVICE OF THE FISCAL YEAR ENDING JUNE 30, 1918.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
DEPARTMENT OF AGRICULTURE.		
<p>NOTE.—In the following estimates for the Department of Agriculture new matter appearing in miscellaneous appropriations has been indicated by means of <i>italics</i>, and matter to be dropped has been inclosed in heavy brackets, thus [].</p>		
OFFICE OF THE SECRETARY.		
<i>Salaries, Office of the Secretary of Agriculture—</i>		
(1) Secretary of Agriculture (<i>R. S., p. 87, secs. 520–523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>)	\$12, 000. 00	
(2) Assistant Secretary of Agriculture (<i>same acts</i>)	5, 000. 00	
(3) Solicitor (increase of \$2,500) (<i>same acts</i>)	7, 500. 00	
<p>NOTE.—The responsibilities of this position have greatly increased during the past few years, due principally to the enactment of a large amount of new legislation, namely, the cotton-futures act, the grain-standards act, the warehouse act, the Federal aid road act, and the net-weight and Sherley amendments to the food and drugs act. The department also is charged with the administration and enforcement of the food and drugs act, the meat-inspection act, the 28-hour law, the cattle quarantine law, the diseased-animal transportation acts, the virus-serum-toxin act, the Lacey Act, the migratory-bird law, the Weeks forestry law, the seed importation act, the insecticide act, and the plant-quarantine act, and the laws relating to the national forests, all of which involve legal phases of a complex nature. This promotion is fully merited and, if allowed, will make the salary of this official comparable with salaries paid officials in other branches of the Federal service occupying positions of similar responsibility.</p>		
(4) Chief clerk, \$3,000, and \$500 additional as custodian of buildings (<i>same acts</i>)	3, 500. 00	
(5) Private secretary to the Secretary of Agriculture (increase of \$500) (<i>same acts</i>)	3, 000. 00	
<p>NOTE.—An increase of \$500 is recommended in the salary of the private secretary to the Secretary of Agriculture. The duties of this position have greatly increased with the growth and development of the work of the department.</p>		
(6) Executive clerk (<i>same acts</i>)	2, 250. 00	
(7) Executive clerk (<i>same acts</i>)	2, 100. 00	
(8) Stenographer and executive clerk to the Secretary of Agriculture (<i>same acts</i>)	2, 250. 00	
(9) Private secretary to the Assistant Secretary of Agriculture (<i>same acts</i>)	2, 250. 00	
(10) One appointment clerk (<i>same acts</i>)	2, 000. 00	
(11) One assistant in charge of information (<i>same acts</i>)	3, 000. 00	
(12) One officer in charge of supplies (<i>same acts</i>)	2, 000. 00	
(13) One assistant (<i>same acts</i>)	2, 000. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(14) One inspector (increase of \$250) (<i>R. S.</i> , p. 87, <i>secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>) -----	\$3, 000. 00	
NOTE.—This employee is in charge of the office of inspection, which investigates charges of misconduct on the part of employees, reviews all personnel matters requiring consideration by the Secretary, handles the accounting work of the office of the Secretary, and supervises the financial procedure of the department. He has been in the department for more than 21 years, being last promoted on July 1, 1912.		
(15) One inspector (<i>same acts</i>) -----	2, 250. 00	
(16) One law clerk (increase of \$250) (<i>same acts</i>) -----	3, 500. 00	
NOTE.—This employee is the first assistant to the solicitor, acting in his stead in the latter's absence. The large amount of new legislation intrusted to the department for administration has greatly increased the responsibilities of this officer. He has served in the department 14 years and was last promoted on August 1, 1915. See also note under item 18.		
(17) One law clerk (<i>same acts</i>) -----	3, 000. 00	
(18) Three law clerks, at \$2,750 each (increase of 2 in lieu of 2 law clerks, at \$2,500 each, with increase of \$250 each) (<i>same acts</i>) -	8, 250. 00	
NOTE.—This recommendation, together with recommendations for changes in the other grades of law clerks, has in view a general readjustment of salaries in the office of the solicitor. The scale of salaries of the lawyers in this department is lower than that of lawyers in other departments having corresponding responsibilities. It is also lower than that of employees in corresponding positions in other subdivisions of this department. These changes, if approved, will make it possible to promote 17 law clerks. Each employee who would be benefited by the proposed increases fully deserves the salary recommended. The elimination of three \$1,600 clerkships and the resulting establishment of \$1,800 as the entrance salary in this office will benefit the public service by bringing about greater competition of qualified applicants for admission into the legal work of the department. No increase in the number of law clerks is involved by these changes.		
(19) Eight law clerks, at \$2,500 each (increase of 6 in lieu of 6 law clerks, at \$2,250 each, with increase of \$250 each, and decrease of 2 by change to 2 law clerks, at \$2,750 each, making a net increase of 4) (<i>same acts</i>) -----	20, 000. 00	
NOTE.—See note under item 18.		
(20) Four law clerks, at \$2,250 each (decrease of 6 by change to 6 law clerks, at \$2,500 each, and increase of 2 in lieu of 2 law clerks, at \$2,000 each, with increase of \$250 each, making a net decrease of 4) (<i>same acts</i>) -----	9, 000. 00	
NOTE.—See note under item 18.		
(21) Two law clerks, at \$2,200 each (increase of 1 in lieu of 1 law clerk, at \$2,000, with increase of \$200) (<i>same acts</i>) -----	4, 400. 00	
NOTE.—See note under item 18.		
(22) Five law clerks, at \$2,000 each (increase of 2 in lieu of 2 law clerks, at \$1,800 each, with increase of \$200 each, and decrease of 3, 2 by change to 2 law clerks, at \$2,250 each, and 1 to 1 law clerk, at \$2,200, making a net decrease of 1) (<i>same acts</i>) --	10, 000. 00	
NOTE.—See note under item 18.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(23) Four law clerks, at \$1,800 each (increase of 3 in lieu of 3 law clerks, at \$1,600 each, with increase of \$200 each, and decrease of 2 by change to 2 law clerks, at \$2,000 each, making a net increase of 1) (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>) -----	\$7, 200. 00	
NOTE.—See note under item 18.		
(24) [Three law clerks, at \$1,600 each, changed to three law clerks, at \$1,800 each.]		
NOTE.—See note under item 18.		
(25) One expert on exhibits (<i>same acts</i>) -----	3, 000. 00	
(26) One assistant on exhibits (<i>submitted</i>) -----	2, 000. 00	
NOTE.—This is a new place which it is proposed to fill by transferring an assistant at \$2,000 now paid from the special item for International Farm Congress and Soil-Products Exposition (El Paso). It was necessary to appoint this assistant on the lump fund on account of the large amount of work involved in preparing, displaying, and demonstrating at the international farming exposition and other fairs and shows exhibit material relating to the activities of the department. The Office of Exhibits has been seriously handicapped at times because of the lack of experienced assistants, and the temporary detail of employees from the office of chief clerk has not been satisfactory.		
(27) One telegraph and telephone operator (increase of \$200) (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>) ---	1, 800. 00	
NOTE.—This employee has been in charge of the telephone and telegraph work of the department for nearly three years, during which time the efficiency of this service has been greatly improved. His duties have also largely increased, requiring considerable overtime work. This employee has served eight years in the department and was last promoted June 16, 1914.		
(28) One assistant chief clerk and captain of the watch (<i>same acts</i>) ---	1, 800. 00	
(29) One clerk (in lieu of 1 clerk, class 4, with increase of \$200) (<i>same acts</i>) -----	2, 000. 00	
NOTE.—This employee has had charge of the file room of the office of the Secretary since 1908, at which time he received a salary of \$1,400 and directed the work of five employees. Since that time the work of the file room has increased threefold and the force under his direction now consists of 12 employees. The increase in salary recommended is well deserved in view of the responsibilities of this position. This employee has served 11 years in the department and was last promoted on July 1, 1913.		
(30) Four clerks, class 4 (decrease of 1 by change to 1 clerk, at \$2,000, and increase of 1 in lieu of 1 clerk of class 3, with increase of \$200, making no change in number of places) (<i>same acts</i>) -----	7, 200. 00	
NOTE.—This change from one clerk of class 3 to one clerk of class 4 is recommended in order to afford a promotion for an employee in the immediate office of the Assistant Secretary.		
(31) Fifteen clerks, class 3 (increase of 4 in lieu of 4 clerks, class 2, with increase of \$200 each, and decrease of 1 by change to 1 clerk, class 4, making net increase of 3) (<i>same acts</i>) -----	24, 000. 00	
NOTE.—This change, if approved, will make possible the promotion from \$1,400 to \$1,600 each of four clerks who are performing responsible duties.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(32) Sixteen clerks, class 2 (increase of 1 by transfer from lump fund for food and drugs, Bureau of Chemistry, and decrease of 4 by change to 4 clerks, class 3, making a net decrease of 3) (<i>R. S.</i> , p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1) ..	\$22,400.00	
NOTE.—See note under item 31.		
(33) Twenty-two clerks, class 1 (decrease of 1 by transfer to statutory roll, Division of Publications) (<i>same acts</i>)	26,400.00	
(34) One auditor (<i>same acts</i>)	2,000.00	
(35) One accountant and bookkeeper (<i>same acts</i>)	2,000.00	
(36) One clerk (<i>same acts</i>)	1,440.00	
(37) One clerk (<i>same acts</i>)	1,020.00	
(38) Seven clerks, at \$1,000 each (<i>same acts</i>)	7,000.00	
(39) Twelve clerks, at \$900 each (<i>same acts</i>)	10,800.00	
(40) One clerk (<i>same acts</i>)	840.00	
(41) One clerk (by transfer from statutory roll, Bureau of Plant Industry) (<i>same acts</i>)	720.00	
(42) Fifteen messengers or laborers, at \$840 each (<i>same acts</i>)	12,600.00	
(43) Twelve assistant messengers, laborers, or messenger boys, at \$720 each (in lieu of 12 assistant messengers or laborers, at \$720 each) (<i>same acts</i>)	8,640.00	
NOTE.—This change in designation is proposed in order to make it possible to promote messenger boys now receiving \$600 or less. Messenger boys often have duties similar to those performed by messengers or skilled laborers, but under civil-service rules it is impossible to promote a messenger boy to the grade of messenger, watchman, or other subclerical position, and special legislative provision is necessary.		
(44) [Twelve assistant messengers or laborers, at \$720 each, changed to twelve assistant messengers, laborers, or messenger boys, at \$720 each.]		
NOTE.—See note under item 43.		
(45) One messenger or laborer (<i>same acts</i>)	660.00	
(46) One mechanical superintendent (<i>same acts</i>)	2,500.00	
(47) One engineer (<i>same acts</i>)	1,400.00	
(48) One electrical engineer and draftsman (by transfer from lump fund for food and drugs, Bureau of Chemistry) (<i>same acts</i>)	1,200.00	
(49) One assistant engineer (<i>same acts</i>)	1,200.00	
(50) Two assistant engineers, at \$1,000 each (<i>same acts</i>)	2,000.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(51) Eight firemen, at \$720 each (<i>R. S.</i> , p. 87, <i>secs.</i> 520–523; <i>acts</i> Feb. 9, 1889, <i>vol.</i> 25, p. 659, <i>sec.</i> 3; <i>Mar.</i> 2, 1889, <i>vol.</i> 25, p. 835, <i>sec.</i> 3; <i>Feb.</i> 26, 1907, <i>vol.</i> 34, p. 1256, <i>sec.</i> 4, and <i>Aug.</i> 11, 1916, <i>vol.</i> 39, pp. 446, 447, <i>sec.</i> 1) -----	\$5, 760. 00	
(52) Sixteen elevator conductors, at \$720 each (increase of 5, 3 in lieu of 3 elevator conductors, at \$600 each, with increase of \$120 each, and 2 new places) (<i>same acts</i>) -----	11, 520. 00	
<p>NOTE.—The promotion of three elevator conductors from \$600 to \$720 is recommended in order to establish a uniform rate of pay for employees performing the same character of work. This is in the interest of good administration and will tend to greater satisfaction and contentment among the lower paid men.</p> <p>Two additional elevator conductors are necessary to provide sufficient service for the 15 passenger and 4 freight elevators in the department. Under present conditions it is necessary to temporarily transfer men from the watch force to keep the elevators in operation, but as new buildings are being rented it will be necessary to add to the force in order to insure the proper operation of the elevators at all times.</p>		
(53) [Three elevator conductors, at \$600 each, changed to three elevator conductors, at \$720 each.]		
NOTE.—See note under item 52.		
(54) One superintendent of shops (increase of \$200) (<i>same acts</i>) -----	1, 600. 00	
<p>NOTE.—This employee has charge, under the mechanical superintendent, of the work of 43 carpenters, cabinetmakers, painters and other mechanics, and gives attention, under the direction of the chief clerk, to the repair and construction work needed in connection with the department's buildings and the working out of details and estimates in connection therewith. He has served nine years in the department and was last promoted July 1, 1914.</p>		
(55) One cabinet shop foreman (increase of \$120) (<i>same acts</i>) -----	1, 320. 00	
<p>NOTE.—This increase is recommended in order to make the rate of pay for work of this character and responsibility more commensurate with that paid for similar service in other departments and by private concerns. It is difficult to secure and retain good men at wages lower than the commercial rate. The present incumbent of this position supervises the work of 19 other cabinetmakers or carpenters, 4 of whom receive the same rate of pay that he does. This employee has been in the department over 8 years and was last promoted December 16, 1914.</p>		
(56) Three cabinetmakers or carpenters, at \$1,260 each (in lieu of 3 cabinetmakers or carpenters, at \$1,020 each, with increase of \$240 each, and 2 cabinetmakers or carpenters, at \$900 each, with decrease of \$1,080) (<i>same acts</i>) -----	3, 780. 00	
<p>NOTE.—This change, if approved, will make it possible to promote three cabinetmakers or carpenters from \$1,200 to \$1,260 each, three from \$1,100 to \$1,200 each, and three from \$1,020 to \$1,100 each, and to drop three places at \$1,020 each. In general, workmen rendering similar service in other departments and in private employ receive higher wages than those paid in this department, and it has been found difficult to secure and retain good men at wages lower than the commercial rates. On this account it is proposed to abolish two places at \$900. This readjustment will result in the loss of two places and a net decrease of \$1,080.</p>		
(57) Four cabinetmakers or carpenters, at \$1,200 each (<i>same acts</i>) ----	4, 800. 00	
(58) Three cabinetmakers or carpenters, at \$1,100 each (<i>same acts</i>) ----	3, 300. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(59) Six cabinetmakers or carpenters, at \$1,020 each (decrease of 3, by change with 2 cabinetmakers or carpenters, at \$900 each, to 3 cabinetmakers or carpenters, at \$1,260 each) (<i>R. S., p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>)-----	\$6, 120. 00	
NOTE.—See note under item 56.		
(60) One cabinetmaker or carpenter (decrease of 2, by change with 3 cabinetmakers or carpenters, at \$1,020 each, to 3 cabinetmakers or carpenters, at \$1,260 each) (<i>same acts</i>)-----	900. 00	
NOTE.—See note under item 56.		
(61) One electrician (increase of \$100) (<i>same acts</i>)-----	1, 200. 00	
NOTE.—This change is recommended for the purpose of making the compensation of this employee conform to the rate paid for similar services in other Government departments and in outside shops. It is difficult to secure and retain good men at wages lower than the commercial rates. This employee has been nearly seven years in the department and was last promoted October 1, 1915.		
(62) Two electrical wiremen, at \$1,100 each (increase of \$100 for 1, and 1 new place) (<i>same acts</i>)-----	2, 200. 00	
NOTE.—See note under item 61. The same conditions apply in the case of the wireman at \$900. This employee has served four years and was last promoted October 1, 1915. One additional wireman at \$1,100 is also recommended to properly care for the electrical work, which has greatly increased with the growth of the department.		
(63) One electrical wireman (increase of \$120) (<i>same acts</i>)-----	1, 020. 00	
NOTE.—See note under item 61. The same conditions apply in this case. This employee has been six years in the department and was last promoted October 1, 1915.		
(64) Three electrician's helpers, at \$720 each (<i>same acts</i>)-----	2, 160. 00	
(65) One painter (increase of \$200) (<i>same acts</i>)-----	1, 200. 00	
NOTE.—An increase of \$200 is recommended for the foreman of painters. This employee supervises and is responsible for the work of five other painters. The salary now received is lower than that paid for similar services in other branches of the Government and in private employment. This employee has been nearly four years in the department and was last promoted September 26, 1915.		
(66) Six painters, at \$1,020 each (5 in lieu of 5 painters, at \$900 each, with increase of \$120 each, and 1 new place) (<i>same acts</i>)-----	6, 120. 00	
NOTE.—This change, if approved, will make the wage rate of all the painters conform to that paid for similar services in other departments and in outside shops. It is difficult to secure and retain good men at wages lower than the commercial rates. An estimate for one additional painter is submitted, as the present force is insufficient to properly handle the work.		
(67) 【 Five painters, at \$900 each, changed to five painters, at \$1,020 each. 】		
NOTE.—See note under item 66.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(68) Five plumbers or steam fitters, at \$1,100 each (increase of \$80 each) (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts. Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>) -----	\$5, 500. 00	
NOTE.—This change is proposed for the purpose of raising the pay of plumbers and steam fitters to conform to the rate paid for similar services in other departments of the Government and in outside shops. It is difficult to secure and retain competent plumbers at \$1,020. These employees have served an average of eight years each, and all but one have had no promotion since August 10, 1912.		
(69) One plumber's helper (<i>same acts</i>) -----	840. 00	
(70) Two plumber's helpers, at \$720 each (<i>same acts</i>) -----	1, 440. 00	
(71) One blacksmith (increase of \$200) (<i>same acts</i>) -----	1, 100. 00	
NOTE.—The rate of pay of blacksmith in the Department of Agriculture is considerably below that obtaining in other branches of the Federal service and in outside shops. It is difficult to secure and retain good men at wages lower than the commercial rate. The present incumbent of this position has been in the department over 22 years and was last promoted August 10, 1912.		
(72) One elevator machinist (by transfer from lump fund for extra labor at \$900, with increase of \$120) (<i>same acts</i>) -----	1, 020. 00	
NOTE.—This change involves the transfer of a \$900 place from the extra-labor appropriation of the Secretary's office, with an increase of \$120. It is not proposed to reduce the lump fund, as that appropriation is small and the full amount will be needed for emergency employments during the next fiscal year.		
In view of the fact that the employee occupying this position is charged with the duties of both machinist and wireman, it is believed that the present salary is inadequate when compared with the rate paid in other departments and by private establishments for services of like character.		
(73) One tinner's helper (increase of \$180) (<i>same acts</i>) -----	900. 00	
NOTE.—This position requires the services of a man who is a first-class tinsmith and sheet-metal worker. The present incumbent meets these conditions, and the increase recommended will make his compensation more commensurate with the rate paid for like services in other departments and in private employ.		
(74) One lieutenant of the watch (<i>same acts</i>) -----	1, 000. 00	
(75) Two lieutenants of the watch, at \$960 each (<i>same acts</i>) -----	1, 920. 00	
(76) Fifty watchmen, at \$720 each (<i>same acts</i>) -----	36, 000. 00	
(77) Two mechanics, at \$1,320 each (in lieu of 2 mechanics at \$1,200 each, with increase of \$120 each) (<i>same acts</i>) -----	2, 640. 00	
NOTE.—This change is recommended in order to provide promotions for the foreman of plumbers and the foreman of electricians. The duties and responsibilities of these employees are constantly increasing with the growth of the department and the renting of new buildings. The head plumber, in addition to his regular duties, renders service in connection with the installation of laboratory fixtures. He has been in the department 15 years and has had no promotion since July 1, 1912. The other foreman, in addition to directing the electrical work of the department, has general supervision over 15 elevators and the force of elevator conductors. He has served nine years in the department and has had no promotion since May 6, 1914.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(78) Two mechanics, at \$1,200 each (decrease of 2 by change to 2 mechanics, at \$1,320 each) (<i>R. S., p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4, and Aug. 11, 1916, vol. 39, pp. 446, 447, sec. 1</i>) -----	\$2, 400. 00	
NOTE.—See note under item 77.		
(79) One skilled laborer (in lieu of 1 skilled laborer at \$960, with increase of \$140) (<i>same acts</i>) -----	1, 100. 00	
NOTE.—This increase is recommended in order to permit the promotion of the employee who for 12 years has been in charge of the department's stables, horses, and carriages. He has supervision of all the employees of the stables and is responsible for the care of the horses used officially by the Secretary and for draft purposes. His duties require a great deal of overtime work. He was last promoted July 1, 1913.		
(80) One skilled laborer (<i>same acts</i>) -----	1, 000. 00	
(81) One skilled laborer (decrease of 1 by change to 1 skilled laborer at \$1,100) (<i>same acts</i>) -----	960. 00	
NOTE.—See note under item 79.		
(82) One skilled laborer (in lieu of 1 skilled laborer, at \$840, with increase of \$60) (<i>same acts</i>) -----	900. 00	
NOTE.—This change is recommended in order to provide for the promotion of an employee who assists a cabinetmaker in the mill room. Having learned the trade of cabinetmaker he is able to turn out more work with less instruction from the cabinetmaker in charge than other skilled laborers receiving the same salary. It is therefore believed that the small increase is fully deserved. This employee has been in the department 14 years and was last promoted on September 1, 1912.		
(83) One skilled laborer (decrease of 1 by change to 1 skilled laborer, at \$900) (<i>same acts</i>) -----	840. 00	
NOTE.—See note under item 82.		
(84) One skilled laborer (<i>same acts</i>) -----	720. 00	
(85) One janitor (<i>same acts</i>) -----	900. 00	
(86) Twenty-two assistant messengers, messenger boys, or laborers, at \$600 each (<i>same acts</i>) -----	13, 200. 00	
(87) One carriage driver (<i>same acts</i>) -----	600. 00	
(88) Twenty-one laborers or messenger boys, at \$480 each (<i>same acts</i>) -----	10, 080. 00	
(89) One messenger or messenger boy (<i>same acts</i>) -----	360. 00	
(90) One charwoman (<i>same acts</i>) -----	540. 00	
(91) Three charwomen, at \$480 each (increase of 1 by transfer from statutory roll, Division of Publications) (<i>same acts</i>) -----	1, 440. 00	
(92) Fifteen charwomen, at \$240 each (<i>same acts</i>) -----	3, 600. 00	
(93) For extra labor and emergency employments (<i>same acts</i>) -----	12, 000. 00	
	<u>\$422, 070. 00</u>	\$402, 350.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
NOTE.—Apparent increase, \$19,720; actual increase, \$17,120, as follows:		
<i>Promotions.</i>		
Solicitor, from \$5,000 to \$7,500.....	\$2, 500	
Private secretary to the Secretary of Agriculture, from \$2,500 to \$3,000.....	500	
1 inspector, from \$2,750 to \$3,000.....	250	
1 law clerk, from \$3,250 to \$3,500.....	250	
2 law clerks, from \$2,500 each to \$2,750 each.....	500	
6 law clerks, from \$2,250 each to \$2,500 each.....	1, 500	
2 law clerks, from \$2,000 each to \$2,250 each.....	500	
1 law clerk, from \$2,000 to \$2,200.....	200	
2 law clerks, from \$1,800 each to \$2,000 each.....	400	
3 law clerks, from \$1,600 each to \$1,800 each.....	600	
1 telegraph and telephone operator, from \$1,600 to \$1,800.....	200	
1 clerk, class 4, to 1 clerk, at \$2,000.....	200	
1 clerk, class 3, to 1 clerk, class 4.....	200	
4 clerks, class 2, to 4 clerks, class 3.....	800	
3 elevator conductors, from \$600 each to \$720 each...	360	
1 superintendent of shops, from \$1,400 to \$1,600.....	200	
1 cabinet-shop foreman, from \$1,200 to \$1,320.....	120	
3 cabinetmakers or carpenters, from \$1,020 each to \$1,260 each.....	720	
1 electrician, from \$1,100 to \$1,200.....	100	
1 electrical wireman, from \$1,000 to \$1,100.....	100	
1 electrical wireman, from \$900 to \$1,020.....	120	
1 painter, from \$1,000 to \$1,200.....	200	
5 painters, from \$900 each to \$1,020 each.....	600	
5 plumbers or steam fitters, from \$1,020 each to \$1,100 each.....	400	
1 blacksmith, from \$900 to \$1,100.....	200	
1 elevator machinist, from \$900 to \$1,020 (transferred from extra labor roll).....	120	
1 tinner's helper, from \$720 to \$900.....	180	
2 mechanics, from \$1,200 each to \$1,320 each.....	240	
1 skilled laborer, from \$960 to \$1,100.....	140	
1 skilled laborer, from \$840 to \$900.....	60	
	<hr/> \$12, 460	
<i>New places.</i>		
1 assistant on exhibits.....	2, 000	
2 elevator conductors, at \$720 each.....	1, 440	
1 electrical wireman.....	1, 100	
1 painter.....	1, 020	
	<hr/> 5, 560	
<i>Transfer from extra labor roll of Secretary's office, which fund has not been correspondingly reduced.</i>		
1 elevator machinist (changed to \$1,020).....	900	
	<hr/> \$18, 920	
<i>Places dropped.</i>		
2 cabinetmakers or carpenters, at \$900 each.....	1, 800	
	<hr/> 17, 120	
<i>Actual increase.....</i>		
<i>Transfers from funds of other bureaus, which funds have been correspondingly reduced.</i>		
1 clerk, class 2, from food and drugs, Bureau of Chemistry...	1, 400	
1 clerk, from statutory roll, Bureau of Plant Industry.....	720	
1 electrical engineer and draftsman, from food and drugs, Bureau of Chemistry.....	1, 200	
1 charwoman, from statutory roll, Division of Publications...	480	
	<hr/> 3, 800	
<i>Transfer to roll of another bureau, and the Secretary's roll correspondingly reduced.</i>		
1 clerk, class 1, to statutory roll, Division of Publications...	1, 200	
	<hr/> 2, 600	
<i>Apparent increase.....</i>		
	<hr/> 19, 720	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
Salaries, Office of the Secretary of Agriculture—Continued.			
Change of title.			
12 assistant messengers, laborers, or messenger boys, at \$720 each, in lieu of 12 assistant messengers or laborers, at \$720 each.			
Extra labor and emergency employment.			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Mechanical superintendent, clerk, and watchman, \$2,500 to \$720 per annum*.....		3	3
Estimator and computer.....per annum.....	\$2,600.00	1 (temp.)	1 (temp.)
Statistical expert.....do.....	1,800.00	1 (temp.)	1 (temp.)
Clerks, \$1,400 to \$720.....do.....		6 (temp.)	3 (temp.)
Watchmen, \$720 and \$600.....do.....		3 (temp.)	11 (temp.)
Relief watchmen (average service 50 days each).....per diem.....	2.00	50 (temp.)	63 (temp.)
Wages:			
Skilled laborers and painter, \$1,000 to \$720 per annum*.....		16	4
Miscellaneous and temporary labor, \$4 to \$0.80 per diem.....		23	10
			22
Salaries.....		\$7,700.00	\$9,695.45
Wages.....		4,300.00	2,110.74
Total.....		12,000.00	11,806.19
* Transferred to statutory roll in Agricultural act for 1917.			
Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).			
OFFICE OF THE SECRETARY.			
EXTRA LABOR AND EMERGENCY EMPLOYMENTS.			
1 clerk, \$1,400 per annum.			
1 clerk, \$1,200 per annum.			
2 clerks, at \$840 per annum each.			
Salaries, Office of Farm Management—			
(1) One chief of office (<i>R. S., p. 87, secs. 520–523; acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1, and Aug. 11, 1916, vol. 39, p. 447, sec. 1</i>) ..	\$4,000.00		
(2) One assistant to the chief (by transfer from lump fund for farm management) (<i>same acts</i>)	2,520.00		
(3) One editor (in lieu of 1 executive assistant, \$2,250) (<i>same acts</i>) ...	2,250.00		
NOTE.—This change in designation is recommended so that the title of the employee will indicate the character of the work performed.			
(4) One executive assistant, \$2,250, changed to 1 editor, \$2,250.			
NOTE.—See note under item 3.			
(5) One clerk, class 4 (by transfer from lump fund for farm management) (<i>same acts</i>)	1,800.00		
(6) Two clerks, class 3 (<i>same acts</i>)	3,200.00		
(7) Three clerks, class 2 (<i>same acts</i>)	4,200.00		
(8) Six clerks, class 1 (<i>same acts</i>)	7,200.00		
(9) Two clerks, at \$1,100 each (<i>same acts</i>)	2,200.00		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of Farm Management—Continued.</i>		
(10) One clerk (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1, and Aug. 11, 1916, vol. 39, p. 447, sec. 1) -----	\$1, 080. 00	
(11) One clerk or photographer (<i>same acts</i>) -----	1, 020. 00	
(12) Eight clerks, at \$1,000 each (<i>same acts</i>) -----	8, 000. 00	
(13) Twelve clerks, at \$900 each (increase of 2 by transfer from lump fund for farm management) (<i>same acts</i>) -----	10, 800. 00	
(14) Four clerks or map tracers, at \$840 each (<i>same acts</i>) -----	3, 360. 00	
(15) Four clerks or map tracers, at \$720 each (increase of 1 in lieu of 1 messenger or laborer, \$720) (<i>same acts</i>) -----	2, 880. 00	
NOTE.—This change in designation is made so that the title of the employee will indicate the character of work performed.		
(16) One lantern-slide colorist (<i>same acts</i>) -----	720. 00	
(17) 【 One messenger or laborer, \$720, changed to 1 clerk or map tracer, \$720. 】		
NOTE.—See note under item 15.		
(18) One messenger, messenger boy, or laborer (<i>same acts</i>) -----	660. 00	
(19) Three messengers, messenger boys, or laborers, at \$480 each (<i>same acts</i>) -----	1, 440. 00	
(20) One laborer (<i>same acts</i>) -----	360. 00	
(21) Four charwomen, at \$240 each (<i>same acts</i>) -----	960. 00	
(22) One library assistant (<i>same acts</i>) -----	1, 440. 00	
(23) One photographer (<i>same acts</i>) -----	1, 400. 00	
(24) One photographer (<i>same acts</i>) -----	1, 000. 00	
(25) One cartographer (by transfer from lump fund for farm management) (<i>same acts</i>) -----	1, 500. 00	
(26) One draftsman (<i>same acts</i>) -----	1, 440. 00	
(27) One draftsman (<i>same acts</i>) -----	1, 200. 00	
(28) Two draftsmen, at \$900 each (<i>same acts</i>) -----	1, 800. 00	
	\$68, 430. 00	\$60, 810. 00
NOTE.—Apparent increase, \$7,620; no actual increase, as follows:		
<i>Transfers from lump fund for farm management, which fund has been correspondingly reduced.</i>		
1 assistant to the chief.....	\$2, 520	
1 clerk, class 4.....	1, 800	
2 clerks, at \$900 each.....	1, 800	
1 cartographer.....	1, 500	
Apparent increase.....	7, 620	
<i>Change of title.</i>		
1 editor, \$2,250, in lieu of 1 executive assistant, \$2,250.		
1 clerk or map tracer, \$720, in lieu of 1 messenger or laborer, \$720.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
<i>General Expenses, Office of Farm Management—</i>			
(29) For the employment of persons in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and all other expenses necessary in carrying out the work herein authorized, as follows (<i>acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1, and Aug. 11, 1916, vol. 39, p. 447, sec. 1</i>):			
(30) To investigate and encourage the adoption of improved methods of farm management and farm practice ["\$220,000"] (<i>same acts</i>). \$262,380.00			
NOTE.—There is an apparent increase in the above appropriation of \$42,380, but, taking into consideration the transfers to the statutory roll aggregating \$7,620, the actual increase is \$50,000.			
It is proposed to expend \$25,000 of this amount in the creation of an additional farm-management survey unit. No other line of work carried on by the Office of Farm Management has produced such valuable results. The present appropriation will permit the maintenance of but one survey unit, capable of completing about six 600-farm surveys annually, which is wholly inadequate to meet the constantly increasing demands for this work. The development of another survey unit will make possible six additional surveys annually and furnish a basis for an adequate analysis of the agriculture of a distinct agricultural region.			
It is proposed to use the remaining \$25,000 in extending the small farm-survey work. Heretofore these surveys have been conducted only in the Southern States, but, in view of the necessity for furnishing the extension forces with basic information on the larger farm-management problems for as many localities as possible, it is very important that this line of work be extended to the Northern and Western States.			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant chief.....per annum..	\$3,000.00	1	1
Agriculturist.....do.....	2,750.00	1	..
Agriculturists.....do.....	3,500.00	2	..
Agriculturists.....do.....	3,000.00	6	4
Agriculturists.....do.....	2,760.00	3	3
Agriculturists.....do.....	2,520.00	4	3
Agriculturists.....do.....	2,500.00	5	..
Agriculturists.....do.....	2,400.00	2	3
Agriculturist.....do.....	2,340.00	1	1
Agriculturists.....do.....	2,280.00	5	6
Agriculturists.....do.....	2,220.00	1	2
Agriculturists.....do.....	2,040.00	1	4
Agriculturist.....do.....	1,800.00	1	..
Assistant agriculturist.....do.....	2,280.00	1	..
Assistant agriculturists.....do.....	2,040.00	4	1
Assistant agriculturist.....do.....	2,000.00	1	1
Assistant agriculturists.....do.....	1,800.00	5	8
Assistant agriculturist.....do.....	1,740.00	1	1
Assistant agriculturists.....do.....	1,620.00	2	4
Assistant agriculturist.....do.....	1,440.00	..	1 (6 mos.).
Scientific assistant.....do.....	2,220.00	1	1
Scientific assistants.....do.....	2,000.00	1	2 (1 temp.).
Scientific assistants.....do.....	1,800.00	9	4 (1 for 6 mos.).
Scientific assistant.....do.....	1,640.00	..	1
Scientific assistants.....do.....	1,620.00	18	13 (1 for 7½ mos.).
Scientific assistant.....do.....	1,500.00	..	1 (temp.).
Scientific assistants.....do.....	1,440.00	3	3
Scientific assistants.....do.....	1,200.00	..	2 (1 temp.).
Statistical expert.....do.....	2,000.00	1	1
Agent.....do.....	1,400.00	1	1
Field assistants and agents, \$750 to \$360.....do.....	..	8 (2 temp.).	37 (33 temp.).
Chief of office, executive assistant, draftsman, topographic draftsman, library assistant, photographer, clerks, and lantern-slide colorist, \$4,000 to \$720*.....per annum..	..	..	19
Editor.....do.....	2,250.00	..	1
Cartographer**.....do.....	1,500.00	..	1
Clerks**.....do.....	900.00	..	2
Cartographer.....do.....	1,200.00	..	1 (temp.).
Clerks.....do.....	1,200.00	6	3 (temp.).
Clerks.....do.....	1,000.00	6	1 (temp.).
Clerks, copyists, topographic draftsman, charwoman, aid in horticulture, and collaborators, \$900 to \$1.....per annum..	..	17 (3 temp.).	79 (67 temp.)
Wages:			
Unskilled laborer*.....do.....	360.00	..	1
Laborers, \$300 and \$42.....do.....	..	4	1
Miscellaneous and temporary labor, \$300.....do.....	..	..	11
Miscellaneous and temporary labor, \$3.50 and \$1.50.....per diem..	..	..	9

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
General Expenses, Office of Farm Management—Continued.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Wages—Continued.					
Salaries.....		\$195,278.00	\$176,377.49		
Wages.....		942.00	1,863.50		
Other objects of expenditure:					
Traveling expenses.....		56,780.00	36,205.57		
Equipment and material.....		5,600.00	7,079.74		
Miscellaneous items.....		3,780.00	3,197.36		
Total.....		262,380.00	224,723.66		
(31) For studying methods of clearing off “logged-off” lands with a view to their utilization for agricultural and dairying purposes; for their irrigation; for testing powders in clearing them; and for the utilization of by-products arising in the process of clearing; in cooperation with the States, companies, or individuals, or otherwise (<i>acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1, and Aug. 11, 1916, vol. 39, p. 447, sec. 1</i>).....				\$5,000.00	
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:					
Agriculturist.....per annum..	\$2,220.00	1 <i>Number.</i>	1 <i>Number.</i>		
Scientific assistant.....do.....	1,440.00	.....	1		
Typewriter, clerk, and field assistants, \$900 to \$600.....		3 (temp.)	1 (temp.)		
Salaries.....		\$3,540.00	\$3,687.50		
Other objects of expenditure:					
Traveling expenses.....		1,220.00	1,286.47		
Miscellaneous items.....		240.00	17.24		
Total.....		5,000.00	4,991.21		
In all, for general expenses.....				\$267,380.00	\$225,000.00
Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (<i>32 Stat., p. 303.</i>)					
GENERAL EXPENSES, OFFICE OF FARM MANAGEMENT.					
2 statistical clerks, at \$1,200 per annum each.					
1 statistical clerk, \$1,000 per annum.					
8 statistical clerks, at \$900 per annum each.					
1 statistical clerk, \$840 per annum.					
3 statistical clerks, at \$720 per annum each.					
2 clerks, at \$1,400 per annum each.					
1 clerk, \$1,200 per annum.					
2 clerks, at \$1,100 per annum each.					
1 clerk, \$1,080 per annum.					
2 clerks, at \$1,000 per annum each.					
3 clerks, at \$900 per annum each.					
1 clerk, \$840 per annum.					
35 clerks, at \$720 per annum each.					
1 clerk, \$600 per annum.					
2 copyists, at \$480 per annum each.					
Total for Office of the Secretary of Agriculture.....				757,880.00	688,160.00
Appropriations for 1908.....\$119,200					
Appropriations for 1909.....132,900					
Appropriations for 1910.....174,570					
Appropriations for 1911.....229,870					
Appropriations for 1912.....276,450					
Appropriations for 1913.....292,280					
Appropriations for 1914.....303,820					
Appropriations for 1915.....339,880					
Appropriations for 1916.....*623,120					
Appropriations for 1917.....*688,160					
Estimates for 1909.....\$134,220					
Estimates for 1910.....162,300					
Estimates for 1911.....198,770					
Estimates for 1912.....276,650					
Estimates for 1913.....287,300					
Estimates for 1914.....305,570					
Estimates for 1915.....332,380					
Estimates for 1916.....*635,360					
Estimates for 1917.....*698,450					
Estimates for 1918.....*757,880					
* Includes Office of Farm Management.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p style="text-align: center;">WEATHER BUREAU.</p> <p><i>Salaries, Weather Bureau—</i></p>		
<p>(1) One chief of bureau (increase of \$1,000) (<i>R. S., p. 87, secs. 520-523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5, and Aug. 11, 1916, vol. 39, pp. 447, 448, sec. 1</i>) -----</p>	\$6,000.00	
<p>NOTE.—The increase recommended will restore the salary of the Chief of the Weather Bureau to that allowed by law from July 1, 1909, to June 30, 1914. The present incumbent has been in the service since July 1, 1891. The Chief of the Weather Bureau is appointed by the President, and, in the absence of the Secretary and Assistant Secretary, is authorized to act for the Secretary.</p>		
<p>(2) One assistant chief of bureau (<i>same acts</i>) -----</p>	3,250.00	
<p>(3) One chief clerk (<i>same acts</i>) -----</p>	2,500.00	
<p>(4) One chief of division of stations and accounts (<i>same acts</i>) -----</p>	2,750.00	
<p>(5) One chief of printing division (<i>same acts</i>) -----</p>	2,500.00	
<p>(6) Three chiefs of division, at \$2,000 each (<i>same acts</i>) -----</p>	6,000.00	
<p>(7) Ten clerks, class 4 (increase of 2) (<i>same acts</i>) -----</p>	18,000.00	
<p>NOTE.—These places are to provide adequate salaries for the head clerks of two important divisions. It is proposed to fill them by the promotion of two clerks, at \$1,600 each. In the absence of the officials in charge, these clerks direct the division force and assume responsibility for the work, a duty requiring long experience as well as considerable technical and executive ability. The addition of these two places will result in the promotion of 10 deserving employees and will make it possible to drop two places at \$900.</p>		
<p>(8) Eleven clerks, class 3 (<i>same acts</i>) -----</p>	17,600.00	
<p>(9) Twenty-four clerks, class 2 (increase of 1) (<i>same acts</i>) -----</p>	33,600.00	
<p>NOTE.—See note under item 10.</p>		
<p>(10) Thirty-three clerks, class 1 (increase of 2) (<i>same acts</i>) -----</p>	39,600.00	
<p>NOTE.—The changes proposed in this and the preceding item will add three new places. Additional clerical assistance is necessary properly to handle the increased work at the central office incident to the extensions of the weather service, authorized in the current appropriation act, which will be in full operation before the close of the fiscal year 1917. If these places are allowed, it is proposed to promote seven efficient employees and to appoint three new clerks, at \$900.</p>		
<p>(11) Twenty-two clerks, at \$1,000 each (<i>same acts</i>) -----</p>	22,000.00	
<p>(12) Eight clerks, at \$900 each (decrease of 2) (<i>same acts</i>) -----</p>	7,200.00	
<p>NOTE.—Omitted; see note under item 7.</p>		
<p>(13) One foreman of printing (<i>same acts</i>) -----</p>	1,600.00	
<p>(14) One lithographer (<i>same acts</i>) -----</p>	1,500.00	
<p>(15) Three lithographers, at \$1,200 each (<i>same acts</i>) -----</p>	3,600.00	
<p>(16) One pressman (<i>same acts</i>) -----</p>	1,200.00	
<p>(17) One printer or compositor (<i>same acts</i>) -----</p>	1,440.00	
<p>(18) Five printers or compositors, at \$1,350 each (<i>same acts</i>) -----</p>	6,750.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Weather Bureau—Continued.</i>		
(19) Fourteen printers or compositors, at \$1,300 each (<i>R.S., p. 87, secs. 520-523; acts. Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5, and Aug. 11, 1916, vol. 39, pp. 447, 448, sec. 1</i>) -----	\$18,200.00	
(20) Seven printers or compositors, at \$1,200 each (1 by transfer from lump fund for station salaries, and 6 in lieu of 6 printers or compositors, at \$1,080 each, with increase of \$120 each) (<i>same acts</i>) -	8,400.00	
NOTE.—This change is proposed in order that the salary of these six printers and compositors will conform to the rate paid similar employees at the Government Printing office and in outside printing shops. It is difficult to secure and retain good men, especially at field stations, at wages lower than commercial rates, and when temporary printers are employed it is frequently necessary to pay them a salary in excess of that paid the permanent station employees. The promotion of these men from \$1,000 to \$1,260 was recommended last year, but an increase of only \$80 in each case was allowed.		
(21) 【Six printers or compositors, at \$1,080 each, changed to six printers or compositors, at \$1,200 each.】		
NOTE.—See note under item 20.		
(22) Five printers or compositors, at \$1,000 each (<i>same acts</i>) -----	5,000.00	
(23) Four folders and feeders, at \$720 each (<i>same acts</i>) -----	2,880.00	
(24) One chief instrument maker (<i>same acts</i>) -----	1,440.00	
(25) Three instrument makers, at \$1,300 each (<i>same acts</i>) -----	3,900.00	
(26) 【One instrument maker, \$1,200, changed to one skilled mechanic, \$1,200.】		
NOTE.—See note under item 27.		
(27) Three skilled mechanics, at \$1,200 each (increase of 1 in lieu of 1 instrument maker, \$1,200) (<i>same acts</i>) -----	3,600.00	
NOTE.—One skilled mechanic at \$1,200 is substituted for one instrument maker at the same salary. This is merely a change in title and is recommended in order to meet the requirements of the Civil Service Commission. The position of instrument maker is now filled by a skilled mechanic through special permission of the commission, with the understanding that the department would recommend that the designation be changed in the next bill.		
(28) Five skilled mechanics, at \$1,000 each (<i>same acts</i>) -----	5,000.00	
(29) One skilled mechanic (<i>same acts</i>) -----	840.00	
(30) One skilled mechanic (<i>same acts</i>) -----	720.00	
(31) Six skilled artisans, at \$840 each (<i>same acts</i>) -----	5,040.00	
(32) One engineer (increase of \$100) (<i>same acts</i>) -----	1,400.00	
NOTE.—The employee filling this position has supervision over the heating and lighting plant of the bureau. The necessity for night work requires that the plant be operated 16 hours a day throughout the year, Sundays and holidays included. This employee has been in the department's service over 7 years, without promotion since July, 1912. The increase recommended will make his salary more commensurate with that paid for similar services in other branches of the Government.		
(33) One fireman and steam fitter (<i>same acts</i>) -----	840.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Weather Bureau—Continued.</i>		
(34) Four firemen, at \$720 each (<i>R. S., p. 87, sec. 520-523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5, and Aug. 11, 1916, vol. 39, pp. 447, 448, sec. 1</i>)-----	\$2, 880. 00	
(35) One captain of the watch (<i>same acts</i>)-----	1, 000. 00	
(36) One electrician (<i>same acts</i>)-----	1, 200. 00	
(37) One gardener (<i>same acts</i>)-----	1, 000. 00	
(38) One repairman (<i>submitted</i>)-----	1, 000. 00	
<p>NOTE.—One new place at \$1,000 is substituted for two places, at \$720 each, a net decrease of \$440. It is desired to fill this position by the promotion of a repairman at \$840, who has been in the service for nearly 15 years without promotion since July, 1908. Until recently this employee was stationed at Port Crescent, Wash., and was provided with quarters in the Weather Bureau building at that point, such quarters being regarded in the nature of additional compensation. Upon the abandonment of the station at Port Crescent this repairman was transferred to another locality, but the bureau no longer is in position to furnish him with living quarters. The small increase in salary, therefore, would merely offset the extra expense to which he has been subjected and can not be looked upon as an actual promotion. This change will also involve the promotion from \$720 to \$840 of another repairman, who has been in the service for over 7 years without increase in compensation. It will then be possible to drop the \$720 place thus vacated. In addition, the services of one repairman at \$720 formerly employed at Port Crescent will be no longer required, on account of the abandonment of the station at that point.</p>		
(39) Four repairmen, at \$840 each (<i>R. S., p. 87, secs. 520-523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5, and Aug. 11, 1916, vol. 39, pp. 447, 448, sec. 1</i>)-----	3, 360. 00	
(40) Four repairmen, at \$720 each (decrease of 2) (<i>same acts</i>)-----	2, 880. 00	
NOTE.—Omitted; see note under item 38.		
(41) Four watchmen, at \$720 each (<i>same acts</i>)-----	2, 880. 00	
(42) Twenty-one messengers, messenger boys, or laborers, at \$720 each (increase of 4, 1 by transfer from lump fund for station salaries, and 3 new places) (<i>same acts</i>)-----	15, 120. 00	
NOTE.—See note under item 45.		
(43) Ten messengers, messenger boys, or laborers, at \$660 each (increase of 4) (<i>same acts</i>)-----	6, 600. 00	
NOTE.—See note under item 45.		
(44) Thirty-eight messengers, messenger boys, or laborers, at \$600 each (increase of 7) (<i>same acts</i>)-----	22, 800. 00	
NOTE.—See note under item 45.		
(45) Ninety-six messengers, messenger boys, or laborers, at \$480 each (increase of 32, 4 in lieu of 4 messengers, messenger boys, or laborers at \$360 each by transfer from lump fund for station salaries with an increase of \$120 each, and 28 new places; and decrease of 24 by transfer to lump fund for station salaries as apprentices, making a net increase of 8) (<i>same acts</i>)-----	46, 080. 00	
NOTE.—Items 42, 43, 44, and 45 provide for an increase in the number of messengers, messenger boys, or laborers, at \$720, \$660, \$600, and \$480 and the elimination of a like number of places at \$450 and \$360. Provision is also made for the		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
<i>Salaries, Weather Bureau—Continued.</i>			
transfer of 24 messenger boys at \$480 to the lump fund, with change of designation to "apprentice" and the transfer of 5 messenger boys from the lump fund to the statutory roll. These changes will not affect the number of places but will involve an increase (exclusive of the \$2,160 due to the transfer of 5 employees from the lump fund) of \$7,350, which will make it possible to promote 3 messengers from \$660 to \$720, 7 from \$600 to \$660, 14 from \$480 to \$600, 5 from \$450 to \$480, and 41 (including 4 transferred from the lump fund for station expenses) from \$360 to \$480.			
It is very difficult and at times impossible to secure active and intelligent messenger boys at \$360 per annum. When such boys can be secured they serve only a short time, become dissatisfied because of lack of advancement, and resign. Of the 37 messenger boys at \$360 on the statutory roll 19 have resigned during the past year, as capable boys with a little training are able to secure considerably better salaries from commercial concerns.			
Provision is also made for the transfer of 24 selected field employees in the messenger grade at \$480 each to the lump-sum roll, with change in designation to "apprentice." Under the rules of the Civil Service Commission messengers and messenger boys can not perform a number of technical duties devolving upon commissioned employees except when these are performed in addition to their regular duties. Many of the boys have shown themselves capable of performing work not contemplated by the designation "messenger" or "messenger boy." The Civil Service Commission has authorized the department to employ these boys under the title "apprentice" for the performance of any of the legitimate duties of which they are capable. This arrangement is very advantageous, inasmuch as it enables capable boys to render valuable service and, at the same time, gradually acquire experience and training which will eventually qualify them for the position of observer. Their duties are technical and semiscientific in character, and it is believed that they should properly be paid from lump-fund appropriations.			
(46) [Five messengers, messenger boys, or laborers, at \$450 each, omitted.]			
NOTE.—Omitted; see note under item 45.			
(47) [Thirty-seven messenger boys, at \$360 each, omitted.]			
NOTE.—Omitted; see note under item 45.			
(48) One charwoman (<i>R. S.</i> , p. 87, secs. 520–523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5, and Aug. 11, 1916, vol. 39, pp. 447, 448, sec. 1)	\$360. 00		
(49) Three charwomen, at \$240 each (<i>same acts</i>)	720. 00	\$342, 230. 00	
Appropriations for 1908.....	\$196, 990	Estimates for 1909.....	\$202, 510
Appropriations for 1909.....	202, 510	Estimates for 1910.....	204, 310
Appropriations for 1910.....	205, 310	Estimates for 1911.....	206, 150
Appropriations for 1911.....	206, 150	Estimates for 1912.....	342, 800
Appropriations for 1912.....	313, 170	Estimates for 1913.....	317, 120
Appropriations for 1913.....	315, 930	Estimates for 1914.....	330, 240
Appropriations for 1914.....	325, 860	Estimates for 1915.....	328, 270
Appropriations for 1915.....	327, 270	Estimates for 1916.....	324, 640
Appropriations for 1916.....	332, 900	Estimates for 1917.....	341, 210
Appropriations for 1917.....	336, 060	Estimates for 1918.....	342, 230
NOTE.—Apparent increase, \$6,170; actual increase, \$14,330, as follows:			
<i>Promotions.</i>			
1 chief of bureau, from \$5,000 to \$6,000.....	\$1, 000		
6 printers or compositors, from \$1,080 each, to \$1,200 each.....	720		
1 engineer, from \$1,300 to \$1,400.....	100		
4 messengers, messenger boys, or laborers, from \$360 each to \$480 each (transferred from station salaries).....	480		
	<hr/>	\$2, 300	
<i>New places.</i>			
3 messengers, messenger boys, or laborers, at \$720 each.....	2, 160		
4 messengers, messenger boys, or laborers, at \$660 each.....	2, 640		
7 messengers, messenger boys, or laborers, at \$600 each.....	4, 200		
28 messengers, messenger boys, or laborers, at \$480 each.....	13, 440		
2 clerks, class 4.....	3, 600		
1 clerk, class 2.....	1, 400		
2 clerks, class 1.....	2, 400		
1 repairman.....	1, 000		
	<hr/>	30, 840	
			33, 140

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Weather Bureau—Continued.</i>		
<i>Places dropped.</i>		
5 messengers, messenger boys, or laborers, at \$450 each..... \$2, 250 37 messengers, messenger boys, or laborers, at \$360 each..... 13, 320 2 clerks, at \$900 each..... 1, 800 2 repairmen, at \$720 each..... 1, 440		
	\$18, 810	
Actual increase.....		14, 330
<i>Transfers to lump fund of this bureau and the statutory roll correspondingly reduced.</i>		
24 messengers, messenger boys, or laborers, at \$480 each, to station salaries..... \$11, 520		
<i>Transfers from lump fund of this bureau which fund has been correspondingly reduced.</i>		
1 printer or compositor, from station salaries..... \$1, 200 1 messenger, from station salaries..... 720 4 messengers, messenger boys, or laborers, at \$360 each, from station salaries (changed to \$480 each)..... 1, 440		
	3, 360	
	8, 160	
Apparent increase.....		6, 170
<i>Change of title.</i>		
1 skilled mechanic, \$1,200, in lieu of 1 instrument maker, \$1,200.		
<i>General Expenses, Weather Bureau—</i>		
(50) For carrying into effect in the District of Columbia and elsewhere in the United States, in the West Indies, in the Panama Canal, the Caribbean Sea, and on adjacent coasts, in the Hawaiian Islands, in Bermuda, and in Alaska, the provisions of an Act approved October first, eighteen hundred and ninety, so far as they relate to the weather service transferred thereby to the Department of Agriculture, for the employment of professors of meteorology, district forecasters, local forecasters, meteorologists, section directors, observers, apprentices, operators, skilled mechanics, instrument makers, foremen, assistant foremen, proof readers, compositors, pressmen, lithographers, folders and feeders, repairmen, station agents, messengers, messenger boys, laborers, special observers, displaymen, and other necessary employees; for fuel, gas, electricity, freight and express charges, furniture, stationery, ice, dry goods, twine, mats, oil, paints, glass, lumber, hardware, and washing towels; for advertising; for purchase, subsistence and care of horses and vehicles, the purchase and repair of harness, for official purposes only; for instruments, shelters, apparatus, storm-warning towers and repairs thereto; for rent of offices; for repairs and improvements to existing buildings and care and preservation of grounds, including the construction of necessary outbuildings and sidewalks on public streets abutting Weather Bureau grounds; and the erection of temporary buildings for living quarters of observers; for official traveling expenses; for telephone rentals and for telegraphing, telephoning, and cabling reports and messages, rates to be fixed by the Secretary of Agriculture by agreements with the companies performing the service; for the maintenance and repair of Weather Bureau telegraph, telephone, and cable lines; and for every other expenditure required for the establishment, equip-		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																								
General Expenses, Weather Bureau—Continued.																																																																																																																													
ment, and maintenance of meteorological offices and stations and for the issuing of weather forecasts and warnings of storms, cold waves, frosts, and heavy snows, the gauging and measuring of the flow of rivers and the issuing of river forecasts and warnings; for observations and reports relating to crops and for other necessary observations and reports, including cooperation with other bureaus of the Government and societies and institutions of learning for the dissemination of meteorological information, as follows (<i>acts Oct. 1, 1890, vol. 26, p. 53, sec. 1, and Aug. 11, 1916, vol. 39, pp. 448, 449, sec. 1</i>):																																																																																																																													
(51) For necessary expenses in the city of Washington incident to collecting and disseminating meteorological, climatological, and marine information, and for investigations in meteorology, climatology, seismology, evaporation, and aerology (<i>same acts</i>). \$109,250.00																																																																																																																													
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Meteorologists.....per annum..</td><td>\$3,960.00</td><td>3</td><td>..</td></tr><tr><td>Meteorologists.....do.....</td><td>3,500.00</td><td>2</td><td>4</td></tr><tr><td>Meteorologist.....do.....</td><td>3,250.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologists.....do.....</td><td>3,000.00</td><td>1</td><td>2 (1 for 5 mos.)</td></tr><tr><td>Meteorologists.....do.....</td><td>2,880.00</td><td>2</td><td>2</td></tr><tr><td>Meteorologist.....do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologist.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologists.....do.....</td><td>1,620.00</td><td>2</td><td>..</td></tr><tr><td>Meteorologist.....do.....</td><td>1,600.00</td><td>..</td><td>1</td></tr><tr><td>Climatologist and chief of division.....do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Section director.....do.....</td><td>2,000.00</td><td>..</td><td>1 (4 mos.)</td></tr><tr><td>Observer.....do.....</td><td>1,560.00</td><td>..</td><td>1</td></tr><tr><td>Observer.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Observer.....do.....</td><td>1,400.00</td><td>1</td><td>1</td></tr><tr><td>Observers.....do.....</td><td>1,260.00</td><td>2</td><td>2</td></tr><tr><td>Observer and assistant observers, \$1,080 to \$900.....per annum..</td><td>..</td><td>1</td><td>3 (temp.)</td></tr><tr><td>Chief, office of information*.....do.....</td><td>3,000.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Topographic draftsman*.....do.....</td><td>1,600.00</td><td>..</td><td>1</td></tr><tr><td>Topographic draftsman.....do.....</td><td>900.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerk and draftsman.....do.....</td><td>1,200.00</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Storm warning displayman.....per month..</td><td>10.00</td><td>1</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$48,550.00</td><td>\$39,829.21</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>2,800.00</td><td>2,460.37</td></tr><tr><td>Equipment and material.....</td><td></td><td>11,450.00</td><td>9,498.79</td></tr><tr><td>Telegraph and telephone service.....</td><td></td><td>38,000.00</td><td>35,518.07</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>8,450.00</td><td>4,884.06</td></tr><tr><td>Total.....</td><td></td><td>109,250.00</td><td>92,190.50</td></tr></table>						Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Meteorologists.....per annum..	\$3,960.00	3	..	Meteorologists.....do.....	3,500.00	2	4	Meteorologist.....do.....	3,250.00	1	1	Meteorologists.....do.....	3,000.00	1	2 (1 for 5 mos.)	Meteorologists.....do.....	2,880.00	2	2	Meteorologist.....do.....	2,520.00	1	1	Meteorologist.....do.....	1,800.00	1	1	Meteorologists.....do.....	1,620.00	2	..	Meteorologist.....do.....	1,600.00	..	1	Climatologist and chief of division.....do.....	2,520.00	1	1	Section director.....do.....	2,000.00	..	1 (4 mos.)	Observer.....do.....	1,560.00	..	1	Observer.....do.....	1,440.00	1	1	Observer.....do.....	1,400.00	1	1	Observers.....do.....	1,260.00	2	2	Observer and assistant observers, \$1,080 to \$900.....per annum..	..	1	3 (temp.)	Chief, office of information*.....do.....	3,000.00	..	1 (temp.)	Topographic draftsman*.....do.....	1,600.00	..	1	Topographic draftsman.....do.....	900.00	..	1 (temp.)	Clerk and draftsman.....do.....	1,200.00	..	2 (temp.)	Storm warning displayman.....per month..	10.00	1	1	Salaries.....		\$48,550.00	\$39,829.21	Other objects of expenditure:				Stationery.....		2,800.00	2,460.37	Equipment and material.....		11,450.00	9,498.79	Telegraph and telephone service.....		38,000.00	35,518.07	Miscellaneous items.....		8,450.00	4,884.06	Total.....		109,250.00	92,190.50
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* Transferred to statutory roll in Agricultural act for 1917.																																																																																																																													
(52) For the maintenance of a printing office in the city of Washington for the printing of weather maps, bulletins, circulars, forms, and other publications, including the pay of additional employees, when necessary, \$12,800: <i>Provided</i> , That no printing shall be done by the Weather Bureau, that in the judgment of the Secretary of Agriculture, can be done at the Government Printing Office without impairing the service of said bureau (<i>same acts</i>)-----																																																																																																																													
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Weather Bureau—Continued.</i>		
<p>(53) For necessary expenses outside of the city of Washington incident to collecting and disseminating meteorological, climatological, and marine information, and for investigations in meteorology, climatology, seismology, evaporation, and aerology [\$1,242,650] \$1,342,750, including not to exceed [\$626,720] \$687,500 for salaries, [\$130,040] \$131,500 for special observations and reports, and [\$292,150] \$294,750 for telegraphing and telephoning (<i>acts Oct. 1, 1890, vol. 26, p. 53, sec. 1, and Aug. 11, 1916, vol. 39, pp. 448, 449, sec. 1</i>) -----</p>	\$1,342,750.00	
<p>NOTE.—There is an apparent increase in this item of \$100,100, but, taking into consideration transfers to the statutory roll aggregating \$3,360 and the transfer of 24 apprentices at \$480 each from the statutory roll (a total of \$11,520), the actual increase is \$91,940. It is proposed to use this sum as follows:</p> <p>1. Fifteen thousand one hundred and twenty dollars for the employment of additional observers and other field assistants and \$15,260 for equipment and miscellaneous expenses. This increase is made necessary by the normal growth of the work of the bureau and on account of the advance in prices of supplies and materials.</p> <p>2. Twenty-three thousand five hundred dollars (plus \$1,500 in the item for official traveling expenses) for investigating frost-protecting methods. For a number of years the bureau has issued frost warnings for the guidance of orchardists, truckers, and others. This service has been very successful and of great value to commercial and agricultural interests. Many of the most successful growers have spent large sums of money for protective appliances, and, in order to realize the maximum value of these warnings, it will be necessary for the bureau to correlate orchard conditions with those existing at the regular forecasting stations of the bureau. It is planned to conduct investigations in the important fruit sections for the purpose of determining the most economical and efficient methods of frost protection now in use as the basis of future studies and experiments looking to the improvement of these methods. This will include the testing of various types of smudging and heating apparatus to ascertain the amount of heat necessary for the temperatures likely to be experienced in different localities. Additional men and apparatus will be required in these tests.</p> <p>The increase of \$1,500 for official traveling expenses is required partly for the investigations in frost-protecting methods; also for the service as a whole, including the improvement in the equipment of storm-warning stations on the Gulf coast described in the next paragraph. The increase is also needed to make the general administration of the field work thorough and effective. Daily observations and reports are made by more than 4,000 cooperative observers who receive publications in exchange for their reports but no monetary compensation. Nearly 1,000 additional special observers render telegraphic reports of frost, flood conditions, rainfall, etc., and receive a small compensation, usually 25 cents per observation, but never exceeding a maximum of \$25 per month. This very important but relatively inexpensive service can be maintained at a high standard of accuracy and efficiency only by an occasional inspection and personal instruction by the section director having supervision over the substation. The small expenditure, averaging \$5 per station per inspection, about once in two years for this purpose, is necessary and highly beneficial.</p> <p>3. Ten thousand dollars for equipping storm-warning towers on the Gulf coast with modern apparatus, bringing them up to the standard adopted for lake stations. Such equipment will enable forecasters to render more efficient service to the shipping interests. It is planned to install this additional equipment under the direct supervision of regular bureau employees and in the most economical way possible.</p> <p>4. Three thousand and sixty dollars for extension of weather service in the cotton region. About 120 substations are now maintained in the cotton region, making daily reports on temperature, rainfall, etc., from April 16 to September 30, during the usual growing season. Owing to seasonal conditions, the crop is planted earlier in some years and the yield continues later in others. There is a demand on the part of the cotton interests to extend the period of this service so that reports may be issued from April 1 to October 31.</p> <p>5. Twenty-five thousand dollars to provide promotions for field men of the bureau. It is proposed to bring the compensation of the Weather Bureau men up to a scale comparable with that obtaining in other bureaus of the department and in other branches of the Government. District forecasters and others have responsibilities equally as great and render services equally as valuable to the public as do those receiving a much higher rate of pay in other branches of the Government service. The same need for adjustment of salaries exists in the case of the lower salaried field men of the bureau.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

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NOTE.—An increase of \$1,500 is provided in this item to provide for the additional travel incident to the extension of the frost-protecting investigations, the improvement and reconstruction of the equipment of storm-warning stations in the Gulf region, and the thorough inspection of the substations of the bureau.																				
(55) ["For the purchase of a site and the erection of a building at Cape Henry, Virginia, to be constructed under the supervision of the Chief of the Weather Bureau, plans and specifications to be approved by the Secretary of Agriculture, and for all necessary labor, materials, and expenses connected with this work, \$22,500."]																				
NOTE.—Provision for the erection of a building at Cape Henry, Va., was made in the appropriation act for the fiscal year 1917. This item therefore is omitted.																				
(56) <i>For the purchase or acquisition of a site and the erection of a building in the region of the Panama Canal, to be constructed under the supervision of the Chief of the Weather Bureau, plans and specifications to be approved by the Secretary of Agriculture, and for all necessary labor, materials, and expenses connected with this work (submitted)</i>	22,500.00																			
NOTE.—The extension of the service in the Caribbean Sea and in the Panama Canal region requires a suitable building for office and living quarters of employees at the central station having supervision of the meteorological, climatological, seismological, and marine work of this region.																				
<table border="1"> <thead> <tr> <th>Other objects of expenditure.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr> </thead> <tbody> <tr> <td>Construction work</td><td>\$22,500.00</td><td></td></tr> <tr> <td colspan="3">The estimated unit cost of this work is as follows:</td></tr> <tr> <td>1 two-story and basement brick building containing 51,000 cubic feet, at 40 cents per cubic foot</td><td>\$20,400.00</td><td></td></tr> <tr> <td>Site</td><td>2,100.00</td><td></td></tr> <tr> <td></td><td>22,500.00</td><td></td></tr> </tbody> </table>	Other objects of expenditure.	Estimated, 1918.	Expended, 1916.	Construction work	\$22,500.00		The estimated unit cost of this work is as follows:			1 two-story and basement brick building containing 51,000 cubic feet, at 40 cents per cubic foot	\$20,400.00		Site	2,100.00			22,500.00			
Other objects of expenditure.	Estimated, 1918.	Expended, 1916.																		
Construction work	\$22,500.00																			
The estimated unit cost of this work is as follows:																				
1 two-story and basement brick building containing 51,000 cubic feet, at 40 cents per cubic foot	\$20,400.00																			
Site	2,100.00																			
	22,500.00																			
In all, for general expenses	\$1,512,800.00	\$1,411,200.00																		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.						Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Weather Bureau—Continued.</i>							
Appropriations for 1908.....	¹ \$645,000	Estimates for 1909.....	¹ \$687,500				
Appropriations for 1909.....	¹ 852,000	Estimates for 1910.....	1,412,950				
Appropriations for 1910.....	1,277,950	Estimates for 1911.....	1,277,110				
Appropriations for 1911.....	1,293,610	Estimates for 1912.....	1,283,310				
Appropriations for 1912.....	1,262,080	Estimates for 1913.....	1,268,330				
Appropriations for 1913.....	1,278,750	Estimates for 1914.....	1,310,250				
Appropriations for 1914.....	1,356,750	Estimates for 1915.....	1,317,000				
Appropriations for 1915.....	1,340,000	Estimates for 1916.....	1,379,110				
Appropriations for 1916.....	1,333,150	Estimates for 1917.....	1,457,400				
Appropriations for 1917.....	1,411,200	Estimates for 1918.....	1,512,800				
¹ "Salaries, station employees, Weather Bureau," separately provided for.							
<i>Statement of proposed expenditures from the above appropriations for general expenses, Weather Bureau, for the fiscal year ending June 30, 1918, for the maintenance, repair, and operation, of horse-drawn passenger-carrying vehicles, as required by section 5 of the act of July 16, 1914 (38 Stat., p. 508).</i>							
Bureau.	Horse-drawn or motor-propelled.	Appropriation.	Maintenance, repair, and operation.			Public purpose for which intended.	Officials and employees by whom used.
			Num-ber.	Descrip-tion.	Amount.		
Weather Bureau.	Horse-drawn.	General ex-penses, Weather Bureau.	1	Surrey.	\$375.00	Administra-tive work of bureau.	Chief and acting chief, Wash-ington, D. C.
<i>Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>							
GENERAL EXPENSES, WEATHER BUREAU.							
1 clerk, \$1,200 per annum.							
Total for Weather Bureau.....						\$1,855,030.00	\$1,747,260.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
BUREAU OF ANIMAL INDUSTRY.		
<i>Salaries, Bureau of Animal Industry—</i>		
(1) One chief of bureau (<i>R. S., p. 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11, Aug. 11, 1916, vol. 39, p. 449, sec. 1</i>) --	\$5,000.00	
(2) One chief clerk (increase of \$250) (<i>same acts</i>) -----	2,750.00	
NOTE.—The employee holding this position has been in the department 17 years and was last promoted on July 1, 1911. Since that time the appropriations for the bureau have practically doubled, and the number of employees has increased by nearly 1,000, thus adding materially to the duties and responsibilities of the chief clerk.		
(3) One editor and compiler (increase of \$250) (<i>same acts</i>) -----	2,500.00	
NOTE.—This employee has served in the department for 19 years and has had no promotion since 1911. His duties and responsibilities in connection with the editing and compiling of publications have greatly increased with the growth of the bureau.		
(4) One executive assistant (by transfer from lump fund for administrative expenses) (<i>same acts</i>) -----	2,500.00	
(5) Three executive clerks, at \$2,000 each (increase of 2) (<i>same acts</i>) --	6,000.00	
NOTE.—One of these new places will provide an increase of \$80 in the salary of the officer in charge of the bureau accounting office. This employee supervises the work of 15 clerks. He has served nearly 17 years in the department.		
The other place is recommended in order to promote an employee who acts as assistant to the chief clerk. He entered the department nearly 12 years ago and was last promoted on March 23, 1914.		
If these two new places are allowed, it will be possible to promote 12 employees in lower grades and to appoint 2 new clerks at \$900 each. Even if no promotions were contemplated under this item, it would be necessary to secure additional clerical assistance on account of the great increase in the work of the bureau. This is also true of the new places recommended under items 6, 7, and 12.		
The creation of the new places under items 5, 6, and 7 will make it possible to promote 39 employees. All the employees in the higher grades have been in the bureau for 10 years or more and hold responsible positions. While increased appropriations have thrown upon them a greater amount of work and responsibility, promotions have been discouragingly few. The statutory salaries in the Bureau of Animal Industry are generally lower than those in other branches of the department. It is with a view to correcting this condition that this recommendation is submitted.		
Even if no promotions were contemplated by these changes, it would be necessary, on account of the great increase in the volume of work of the bureau, to add to the clerical force the number of new places recommended in these estimates.		
(6) Two executive clerks, at \$1,920 each (increase of 1) (<i>same acts</i>) --	3,840.00	
NOTE.—This new place will provide a promotion of \$120 for the employee in charge of the elaborate records which form the basis of the meat-inspection regulations. This employee supervises the work of 10 other clerks. He entered the service nearly 20 years ago and has had no promotion since July 1, 1911. If this recommendation is approved, it will be possible to promote five deserving clerks in lower grades and to secure one new clerk at \$900. See note under item 5.		
(7) Eight clerks, class 4 (increase of 3, 1 by transfer from lump fund for dairy industry and 2 new places) (<i>same acts</i>) -----	14,400.00	
NOTE.—These two new places, if provided, will be filled by the promotion of one clerk from \$1,680 and one from \$1,600. The former has been in the department over 15 years and was last promoted on January 1, 1913. He has charge of the property records and the issuance of purchase orders and for several years has served on special committees assigned by the department to the General Supply Committee during the contract season. The other clerk whom		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
it is desired to promote has served 10 years and was last promoted on July 1, 1911. He is the principal auditor of the purchasing accounts of the bureau and is responsible for the handling of a large volume of work. It is proposed to fill the resulting vacancies by the promotion of 10 deserving clerks in the lower grades and to appoint 2 new clerks at \$900. See note under item 5.		
(8) 【One clerk, \$1,680, changed to one clerk, class 3.】		
NOTE.—See note under item 9.		
(9) Fifteen clerks, class 3 (increase of 2, 1 in lieu of 1 clerk at \$1,680, with decrease of \$80, and 1 by transfer from lump fund for meat inspection) <i>R. S., 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11, Aug. 11, 1916, vol. 39, p. 449, sec. 1)</i> -----	\$24,000.00	
NOTE.—This change involves the substitution of one clerk at \$1,680 for one at \$1,600, as explained in the note under item 7; it is proposed to promote the present occupant of this place to \$1,800. It will then be possible to promote four deserving clerks in lower grades and to secure the services of an additional clerk at \$900. See note under item 5.		
(10) One assistant in live stock investigations (by transfer from lump fund for inspection and quarantine) (<i>same acts</i>) -----	1,600.00	
(11) Two clerks, at \$1,500 each (<i>same acts</i>) -----	3,000.00	
(12) Twenty-six clerks, class 2 (increase of 3, 1 by transfer from lump fund for dairy industry, and 2 new places) (<i>same acts</i>) -----	36,400.00	
NOTE.—It is proposed to fill these new places by the promotion of two clerks at \$1,200. One of these is employed on stenographic work in connection with the property records and accounting work and has served for nearly six years without promotion since August 10, 1912. The other is engaged upon clerical duties in connection with tick-eradication work at Columbia, S. C., and has been 10 years in the department, receiving his last promotion on April 16, 1914. These changes will result in the promotion of three deserving clerks in lower grades and provide for the appointment of an additional clerk at \$900. See note under item 5.		
(13) Two clerks, at \$1,380 each (<i>same acts</i>) -----	2,760.00	
(14) Three clerks, at \$1,320 each (<i>same acts</i>) -----	3,960.00	
(15) One clerk (<i>same acts</i>) -----	1,300.00	
(16) One clerk (<i>same acts</i>) -----	1,260.00	
(17) Fifty-one clerks, class 1 (increase of 6, 2 by transfer from lump funds for inspection and quarantine, 1 from animal husbandry, 1 from hog cholera, and 2 from meat inspection) (<i>same acts</i>) --	61,200.00	
(18) One clerk (<i>same acts</i>) -----	1,100.00	
(19) One clerk (<i>same acts</i>) -----	1,080.00	
(20) Fifty-nine clerks, at \$1,000 each (increase of 3, by transfer from lump funds for inspection and quarantine, administrative expenses, and meat inspection) (<i>same acts</i>) -----	59,000.00	
(21) Two clerks, at \$960 each (<i>same acts</i>) -----	1,920.00	
(22) Ninety-eight clerks, at \$900 each (increase of 4, 2 by transfer from lump funds for dairy industry, and 2 from control of viruses, etc.) (<i>same acts</i>) -----	88,200.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
(23) One architect (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11, Aug. 11, 1916, vol. 39, p. 449, sec. 1) ..	\$2,000.00	
(24) One illustrator (<i>same acts</i>)	1,400.00	
(25) One laboratory aid (by transfer from lump fund for meat inspection) (<i>same acts</i>)	1,200.00	
(26) One laboratory helper (<i>same acts</i>)	1,200.00	
(27) Two laboratory helpers, at \$1,020 each (<i>same acts</i>)	2,040.00	
(28) One laboratory helper (by transfer from lump fund for eradicating dourine) (<i>same acts</i>)	1,000.00	
(29) One laboratory helper (by transfer from lump fund for diseases of animals) (<i>same acts</i>)	960.00	
(30) Two laboratory helpers, at \$840 each (increase of 1 by transfer from lump fund for eradicating cattle ticks) (<i>same acts</i>)	1,680.00	
(31) One laboratory helper (<i>same acts</i>)	720.00	
(32) Two laboratory helpers, at \$600 each (<i>same acts</i>)	1,200.00	
(33) One laboratory helper (<i>same acts</i>)	480.00	
(34) One instrument maker (increase of \$240) (<i>same acts</i>)	1,440.00	
NOTE.—This employee was appointed on January 16, 1913, and has had no promotion. Before coming to this department he served many years in the Navy Department. The increase recommended would make the salary of this employee more commensurate with that paid in other bureaus of the department for this class of work.		
(35) One carpenter (<i>same acts</i>)	1,140.00	
(36) Two carpenters, at \$1,000 each (<i>same acts</i>)	2,000.00	
(37) Two messengers and custodians, at \$1,200 each (<i>same acts</i>)	2,400.00	
(38) One quarantine assistant (by transfer from lump fund for inspection and quarantine) (<i>same acts</i>)	900.00	
(39) One skilled laborer (<i>same acts</i>)	1,000.00	
(40) Nine skilled laborers, at \$900 each (increase of 1 by transfer from lump fund for inspection and quarantine, and decrease of 24, 1 by change to 1 painter at \$900 and 23 by transfer to lump fund for meat inspection, making a net decrease of 23) (<i>same acts</i>) ..	8,100.00	
NOTE.—The transfer of these 23 employees to the lump fund will effect a decrease of \$20,700 in statutory salaries but a corresponding increase in the appropriation for meat inspection. While these employees are carried on the statutory roll with the designation of "skilled laborers," they are performing work of a technical nature, being really inspectors' assistants, with duties similar to those of the 800 lay inspectors employed in connection with the inspection of meats. The object of this recommendation is to bring together within the same class all employees who are performing similar duties and who should be entitled to equal compensation and opportunity for promotion. See also note under item 41.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
(41) One painter (in lieu of 1 skilled laborer at \$900) (<i>R. S., p. 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11, Aug. 11, 1916, vol. 39, p. 449, sec. 1</i>) -----	\$900. 00	
NOTE.—This change in designation is recommended in order that the title of the employees will indicate the character of the work performed. The employment of a painter under the designation "skilled laborer" was permitted by the Civil Service Commission with the understanding that the proper change would be recommended in the estimates.		
(42) One laborer (by transfer from lump fund for dairy industry) (<i>same acts</i>) -----	900. 00	
(43) Nine messengers, skilled laborers, or laborers, at \$840 each (decrease of 2 by transfer to lump fund for meat inspection) (<i>same acts</i>) -----	7, 560. 00	
NOTE.—Provision is made for the transfer of two skilled laborers to the lump-fund appropriation for meat inspection for the same reasons given in the note under item 40.		
(44) Three laborers, at \$780 each (2 by transfer from lump fund for military horse breeding and 1 by transfer from lump fund for hog-cholera research) (<i>same acts</i>) -----	2, 340. 00	
(45) Nineteen messengers, skilled laborers, or laborers, at \$720 each (increase of 5, 1 by transfer from lump fund for diseases of animals, 3 from hog-cholera research, and 1 from control of viruses, etc.) (<i>same acts</i>) -----	13. 680. 00	
(46) Four laborers, at \$660 each (<i>same acts</i>) -----	2, 640. 00	
(47) Twenty-two laborers, at \$600 each (increase of 14, 2 by transfer from lump fund for inspection and quarantine, 4 from dairy industry, 5 from animal husbandry, 1 from military horse breeding, and 2 from diseases of animals) (<i>same acts</i>) -----	13, 200. 00	
(48) Twenty-six laborers, at \$540 each (increase of 23, 13 by transfer from lump fund for dairy industry, 6 from animal husbandry, 3 from poultry feeding and breeding, and 1 from diseases of animals) (<i>same acts</i>) -----	14, 040. 00	
(49) Thirty laborers, at \$480 each (<i>same acts</i>) -----	14, 400. 00	
(50) Two laborers, at \$300 each (by transfer from lump fund for animal husbandry) (<i>same acts</i>) -----	600. 00	
(51) One laborer (<i>same acts</i>) -----	240. 00	
(52) One messenger boy (by transfer from lump fund for meat inspection) (<i>same acts</i>) -----	660. 00	
(53) Three messenger boys, at \$600 each (<i>same acts</i>) -----	1, 800. 00	
(54) Nine messenger boys, at \$480 each (<i>same acts</i>) -----	4, 320. 00	
(55) Eight messenger boys, at \$360 each (<i>same acts</i>) -----	2, 880. 00	
(56) One watchman (<i>same acts</i>) -----	720. 00	
(57) One charwoman (<i>same acts</i>) -----	600. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Animal Industry—Continued.</i>			
(58) One charwoman (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11, Aug. 11, 1916, vol. 39, p. 449, sec. 1) --	\$540. 00		
(59) Thirteen charwomen, at \$480 each (<i>same acts</i>) -----	6, 240. 00		
(60) Five charwomen, at \$360 each (<i>same acts</i>) -----	1, 800. 00		
(61) Two charwomen, at \$300 each (<i>same acts</i>) -----	600. 00		
(62) Seven charwomen, at \$240 each (increase of 2, 1 by transfer from lump fund for dairy industry, and 1 from control of viruses, etc.) (<i>same acts</i>) -----	1, 680. 00		
		\$446, 970. 00	\$398, 470.00
Appropriations for 1908.....	\$85, 280	Estimates for 1909.....	\$84, 210
Appropriations for 1909.....	83, 660	Estimates for 1910.....	115, 100
Appropriations for 1910.....	114, 100	Estimates for 1911.....	115, 920
Appropriations for 1911.....	115, 920	Estimates for 1912.....	494, 070
Appropriations for 1912.....	347, 450	Estimates for 1913.....	360, 430
Appropriations for 1913.....	352, 459	Estimates for 1914.....	361, 500
Appropriations for 1914.....	359, 259	Estimates for 1915.....	352, 410
Appropriations for 1915.....	347, 030	Estimates for 1916.....	353, 630
Appropriations for 1916.....	353, 830	Estimates for 1917.....	398, 470
Appropriations for 1917.....	398, 470	Estimates for 1918.....	446, 970
NOTE.—Apparent increase, \$48,500; actual increase, \$12,980, as follows:			
<i>Promotions.</i>			
1 chief clerk, from \$2,500 to \$2,750.....	\$250		
1 editor and compiler, from \$2,250 to \$2,500.....	250		
1 instrument maker, from \$1,200 to \$1,440.....	240		
		\$740	
<i>New places.</i>			
2 executive clerks, at \$2,000 each.....	4, 000		
1 executive clerk.....	1, 920		
2 clerks, class 4.....	3, 600		
2 clerks, class 2.....	2, 800		
		12, 320	
		\$13, 060	
<i>Place decreased.</i>			
1 clerk, from \$1,680 to 1 clerk, class 3.....	80		
Actual increase.....		12, 980	
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>			
1 executive assistant from administrative expenses.....	2, 500		
1 clerk, class 4, from dairy industry.....	1, 800		
1 clerk, class 3, from meat inspection.....	1, 600		
1 assistant in live-stock investigations, from inspection and quarantine.....	1, 600		
1 clerk, class 2, from dairy industry.....	1, 400		
6 clerks, class 1, 2 from inspection and quarantine, 1 from animal husbandry, 1 from hog cholera, and 2 from meat inspection.....	7, 200		
3 clerks, at \$1,000 each, 1 from inspection and quarantine, 1 from administrative expenses, and 1 from meat inspection.....	3, 000		
4 clerks, at \$900 each, 2 from dairy industry and 2 from control of viruses, etc.....	3, 600		
1 laboratory aid, from meat inspection.....	1, 200		
1 laboratory helper, from eradicating dourine.....	1, 000		
1 laboratory helper, from diseases of animals.....	960		
1 laboratory helper, from eradicating cattle ticks....	840		
1 quarantine assistant, from inspection and quarantine.....	900		
1 skilled laborer, from inspection and quarantine....	900		
1 laborer, from dairy industry.....	900		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
3 laborers, at \$780 each, 2 from military horse breeding and 1 from hog-cholera research.....	\$2,340	
5 messengers, skilled laborers, or laborers, at \$720 each, 1 from diseases of animals, 3 from hog-cholera research, and 1 from control of viruses, etc.....	3,600	
14 laborers, at \$600 each, 2 from inspection and quarantine, 4 from dairy industry, 5 from animal husbandry, 1 from military horse breeding, and 2 from diseases of animals.....	8,400	
23 laborers, at \$540 each, 13 from dairy industry, 6 from animal husbandry, 3 from poultry feeding and breeding, and 1 from diseases of animals.....	12,420	
2 laborers, at \$300 each, from animal husbandry....	600	
1 messenger boy, from meat inspection.....	660	
2 charwomen, at \$240 each, 1 from dairy industry and 1 from control of viruses, etc.....	480	
	<u>\$57,900</u>	
<i>Transfers to lump fund of this bureau.</i>		
23 skilled laborers, at \$900 each, to meat inspection.	20,700	
2 messengers, skilled laborers, or laborers, at \$840 each, to meat inspection.....	1,680	
	<u>22,380</u>	
		<u>\$35,520</u>
Apparent increase.....		48,500
<i>Change of title.</i>		
1 painter, \$900, in lieu of 1 skilled laborer, \$900.		
<i>General Expenses, Bureau of Animal Industry—</i>		
(63) For carrying out the provisions of the Act approved May twenty-ninth, eighteen hundred and eighty-four, establishing a Bureau of Animal Industry, and the provisions of the Act approved March third, eighteen hundred and ninety-one, providing for the safe transport and humane treatment of export cattle from the United States to foreign countries, and for other purposes; the Act approved August thirtieth, eighteen hundred and ninety, providing for the importation of animals into the United States, and for other purposes; and the provisions of the Act of May ninth, nineteen hundred and two, extending the inspection of meats to process butter, and providing for the inspection of factories, marking of packages, and so forth; and the provisions of the Act approved February second, nineteen hundred and three, to enable the Secretary of Agriculture to more effectually suppress and prevent the spread of contagious and infectious diseases of live stock, and for other purposes; and also the provisions of the Act approved March third, nineteen hundred and five, to enable the Secretary of Agriculture to establish and maintain quarantine districts, to permit and regulate the movement of cattle and other live stock therefrom, and for other purposes; and for carrying out the provisions of the Act of June twenty-ninth, nineteen hundred and six, entitled "An Act to prevent cruelty to animals while in transit by railroad or other means of transportation;" and for carrying out the provisions of the Act approved March fourth, nineteen hundred and thirteen, regulating the preparation, sale, barter, exchange, or shipment of any virus, serum, toxin, or analogous products manufactured in the United States, and the importation of such products intended for use in the treatment of domestic animals; and to enable the Secretary of Agriculture to collect and disseminate information concerning live stock, dairy, and other animal products; to prepare and disseminate reports on animal indus-		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>		
<p>try; to employ and pay from the appropriation herein made as many persons in the city of Washington or elsewhere as he may deem necessary; to purchase in the open market samples of all tuberculin, serums, antitoxins, or analogous products, of foreign or domestic manufacture, which are sold in the United States, for the detection, prevention, treatment, or cure of diseases of domestic animals, to test the same, and to disseminate the results of said tests in such manner as he may deem best; to purchase and destroy diseased or exposed animals or quarantine the same whenever in his judgment essential to prevent the spread of pleuro-pneumonia, tuberculosis, or other diseases of animals from one State to another, as follows (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1</i>):</p>		
<p>(64) For inspection and quarantine work, including all necessary expenses for the eradication of scabies in sheep and cattle, the inspection of southern cattle, the supervision of the transportation of live stock and the inspection of vessels, the execution of the twenty-eight-hour law, the inspection and quarantine of imported animals, including the establishment and maintenance of quarantine stations and the alteration of buildings thereon; the inspection work relative to the existence of contagious diseases, and the tuberculin and mallein testing of animals [\$532,780] (<i>same acts</i>)</p>	\$603,280.00	
<p>NOTE.—There is an apparent increase in this item of \$70,500, but, taking into consideration transfers to the statutory roll, the actual increase is \$78,500, which it is proposed to use as follows:</p> <p>Three thousand five hundred dollars to meet the increased demand for tuberculin and blackleg vaccine.</p> <p>Seventy-five thousand dollars for the development of methods of eradicating tuberculosis among live stock, testing on a large scale the methods which have proved efficient in controlling the disease on a small area. Bovine tuberculosis probably is the commonest, the most destructive, and the most widely disseminated of infectious diseases which plague domestic animals. Moreover, it is the plague of the lower animals which ranks first in the frequency with which it attacks human beings. The losses caused in the United States through this disease, exclusive of the effect on human health through the use of food products infected with its germs, annually amount to millions of dollars. The Bureau of Animal Industry has found it an easy matter to keep on a small area, year after year, several tuberculous and several nontuberculous groups of cattle, without having the disease spread in a single instance from the former to the latter. It also has been found an easy matter to raise a healthy herd of cattle by using the offspring of an intensely infected herd. Only the scrupulously exact observance of easily practiced, inexpensive precautions was necessary. If an appropriation were made available sufficient to repeat on a large scale precisely what has been done on a small scale and if it could be shown on a large scale, embracing possibly one or two whole counties in some State, that it is not difficult, involves no great expenditure of money or labor on the part of the owners of cattle, and does not require the ruthless destruction of economically valuable animals which have reacted with tuberculin to get rid of tuberculosis among cattle, it is believed that this would prove an object lesson with the highest and farthest reaching educational value. It would also encourage owners of live stock everywhere to take renewed interest in the gradual but eventually certain liberation of their animals from the thralldom of a profit-consuming disease.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Veterinary inspector in charge.....per annum..	\$3,500.00	1	1		
Veterinary inspector in charge.....do.....	3,000.00	1	1		
Veterinary inspectors.....do.....	2,700.00	7	7		
Veterinary inspectors.....do.....	2,520.00	1	4		
Veterinary inspectors.....do.....	2,500.00	2	2		
Veterinary inspectors.....do.....	2,460.00	3	3		
Veterinary inspector.....do.....	2,400.00	1	1		
Veterinary inspector.....do.....	2,340.00	1	1		
Veterinary inspectors.....do.....	2,280.00	2	2		
Veterinary inspectors.....do.....	2,250.00	3	1		
Veterinary inspectors.....do.....	2,220.00	4	3		
Veterinary inspectors.....do.....	2,160.00	2	1		
Veterinary inspector.....do.....	2,070.00	1	1		
Veterinary inspectors.....do.....	2,040.00	1	3		
Veterinary inspectors.....do.....	2,000.00	8	3		
Veterinary inspectors.....do.....	1,920.00	5	5		
Veterinary inspector.....do.....	1,900.00	..	1		
Veterinary inspectors.....do.....	1,800.00	80	76		
Veterinary inspectors.....do.....	1,740.00	12	..		
Veterinary inspectors.....do.....	1,620.00	21	18		
Veterinary inspectors.....do.....	1,600.00	2	5		
Veterinary inspectors.....do.....	1,400.00	23	25		
Veterinary inspector.....do.....	1,150.00	1	1		
Physiologist.....do.....	1,980.00	..	1		
Senior bacteriologist.....do.....	1,800.00	1	1		
Assistant in bio-chemistry.....do.....	1,800.00	1	1		
Lay inspectors, grade 2.....do.....	2,100.00	2	2		
Lay inspectors, grade 2.....do.....	1,200.00	40	31		
Lay inspector, grade 2.....do.....	1,140.00	1	1		
Lay inspectors, grade 2.....do.....	1,000.00	3	2		
Lay inspectors, grade 1.....do.....	1,100.00	5	5		
Lay inspectors, grade 1.....do.....	1,000.00	36	26		
Live-stock inspector.....do.....	1,600.00	..	1		
Live-stock inspector.....do.....	1,400.00	1	1		
Live-stock inspector.....do.....	1,200.00	1	1		
Inspectors' assistants and live-stock agents.....do.....	1,800.00	2	..		
Inspectors' assistant and live-stock agent.....do.....	1,680.00	1	..		
Inspectors' assistant and live-stock agent.....do.....	1,400.00	1	..		
Traveling inspector.....do.....	1,400.00	..	1		
Agents.....do.....	1,800.00	2	2		
Agents.....do.....	1,200.00	3	3		
Agents.....do.....	1,000.00	2	4		
Clerks and charwoman, \$1,000 and \$240.....do.....	..	..	8 (temp.)		
Assistant in live-stock investigations*.....do.....	1,600.00	..	1		
Clerk*.....do.....	1,000.00	..	1		
Quarantine assistant*.....do.....	900.00	..	1		
Agents and assistant microscopist, \$900 to \$60.....per annum.....	..	9	6		
Wages:					
Skilled laborer.....do.....	1,360.00	1	1		
Laborer*.....do.....	900.00	..	1		
Laborers*.....do.....	600.00	..	2		
Salaries.....		\$459,280.00	\$438,459.83		
Wages.....			2,100.00		
Other objects of expenditure:					
Traveling expenses.....		125,000.00	99,182.89		
Equipment and material.....		7,000.00	5,941.43		
Miscellaneous items.....		12,000.00	11,255.84		
Total.....		603,280.00	556,939.99		

* Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917. ■
<i>General Expenses, Bureau of Animal Industry—Continued.</i>		
(65) For all necessary expenses for the eradication of southern cattle ticks, [\$632,400] \$631,560, of which sum \$50,000 may be used for live stock and dairy demonstration work, in cooperation with the States Relations Service, in areas freed of ticks, and of this amount no part shall be used in the purchase of animals for breeding purposes: <i>Provided, however,</i> That no part of this appropriation shall be used in the purchase of materials for or in the construction of dipping vats upon land not owned solely by the United States, except at fairs or expositions where the Department of Agriculture makes exhibits or demonstrations; nor shall any part of this appropriation be used in the purchase of materials or mixtures for use in dipping vats except in experimental or demonstration work carried on by the officials or agents of the Bureau of Animal Industry (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1</i>) -----	\$631,560.00	

NOTE.—There is an apparent decrease in this item of \$840, due to the transfer to the statutory roll of one laboratory helper at \$840.

Eradicating cattle ticks.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Senior biochemist.....per annum..	\$3,000.00	1	1
Veterinary inspector.....do....	2,760.00	1	..
Veterinary inspector.....do....	2,700.00	1	..
Veterinary inspector.....do....	2,520.00	1	1
Veterinary inspectors.....do....	2,500.00	5	1
Veterinary inspectors.....do....	2,460.00	2	2
Veterinary inspectors.....do....	2,400.00	4	2
Veterinary inspectors.....do....	2,340.00	3	2
Veterinary inspector.....do....	2,316.00	1	..
Veterinary inspectors.....do....	2,280.00	3	5
Veterinary inspectors.....do....	2,250.00	5	1
Veterinary inspectors.....do....	2,220.00	3	5
Veterinary inspectors.....do....	2,196.00	3	4
Veterinary inspectors.....do....	2,160.00	4	2
Veterinary inspector.....do....	2,060.00	1	1
Veterinary inspector.....do....	2,050.00	..	1
Veterinary inspector.....do....	2,020.00	1	..
Veterinary inspectors.....do....	2,000.00	18	5
Veterinary inspectors.....do....	1,920.00	3	3
Veterinary inspectors.....do....	1,880.00	2	3
Veterinary inspectors.....do....	1,800.00	41	22
Veterinary inspectors.....do....	1,740.00	9	..
Veterinary inspector.....do....	1,700.00	1	..
Veterinary inspectors.....do....	1,620.00	12	16
Veterinary inspectors.....do....	1,600.00	5	3
Veterinary inspectors.....do....	1,400.00	57	58
Veterinary inspector.....do....	1,250.00	1	1
Agent.....do....	1,620.00	1	1
Agent.....do....	1,560.00	1	1
Agent.....do....	1,540.00	1	..
Agent.....do....	1,470.00	1	1
Agents.....do....	1,420.00	5	6
Agent.....do....	1,380.00	1	..
Agents.....do....	1,320.00	5	5
Agents.....do....	1,200.00	28	2
Agents.....do....	1,000.00	41	4
Lay inspector, grade 1.....do....	1,000.00	1	1
Clerks, \$1,000 and \$900.....do....	-----	-----	5 (temp.)
Clerk *.....do....	900.00	..	1
Laboratory assistant.....do....	960.00	..	1
Chemist aid **.....do....	840.00	..	1
Agents and student assistant, \$960 to \$12.....do....	-----	24	24
Salaries.....	-----	\$136,860.00	\$279,817.40
Other objects of expenditure:			
Traveling expenses.....	-----	130,000.00	106,435.37
Miscellaneous items.....	-----	14,700.00	13,249.07
Total.....	-----	581,560.00	399,501.84

*Transferred to statutory roll in Agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																				
<i>General Expenses, Bureau of Animal Industry—Continued.</i>																																																																																						
<i>Live-stock demonstrations.</i>																																																																																						
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Scientific assistants.....per annum.. {</td><td>\$1,500.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistants.....do..... {</td><td>1,380.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistants.....do..... {</td><td>1,200.00</td><td>3</td><td>1</td></tr><tr><td>Veterinary inspector.....do..... {</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Assistant dairy husbandmen.....do..... {</td><td>1,620.00</td><td>3</td><td>2</td></tr><tr><td>Assistant dairy husbandman.....do..... {</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Assistant dairy husbandmen.....do..... {</td><td>1,440.00</td><td>1</td><td>3</td></tr><tr><td>Agents.....do..... {</td><td>2,000.00</td><td>2</td><td>2</td></tr><tr><td>Agents.....do..... {</td><td>1,800.00</td><td>2</td><td>2</td></tr><tr><td>Agents.....do..... {</td><td>1,620.00</td><td>2</td><td>2</td></tr><tr><td>Agent.....do..... {</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do..... {</td><td>1,320.00</td><td>2</td><td>3</td></tr><tr><td>Agents.....do..... {</td><td>1,200.00</td><td>2</td><td>2</td></tr><tr><td>Agent.....do..... {</td><td>1,080.00</td><td>1</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$31,360.00</td><td>\$29,213.98</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Travelling expenses.....</td><td></td><td>18,500.00</td><td>16,405.76</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>140.00</td><td>29.05</td></tr><tr><td>Total.....</td><td></td><td>50,000.00</td><td>45,648.79</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Scientific assistants.....per annum.. {	\$1,500.00	2	2	Scientific assistants.....do..... {	1,380.00	2	2	Scientific assistants.....do..... {	1,200.00	3	1	Veterinary inspector.....do..... {	1,500.00	1	1	Assistant dairy husbandmen.....do..... {	1,620.00	3	2	Assistant dairy husbandman.....do..... {	1,500.00	1	1	Assistant dairy husbandmen.....do..... {	1,440.00	1	3	Agents.....do..... {	2,000.00	2	2	Agents.....do..... {	1,800.00	2	2	Agents.....do..... {	1,620.00	2	2	Agent.....do..... {	1,500.00	1	1	Agents.....do..... {	1,320.00	2	3	Agents.....do..... {	1,200.00	2	2	Agent.....do..... {	1,080.00	1	1	Salaries.....		\$31,360.00	\$29,213.98	Other objects of expenditure:				Travelling expenses.....		18,500.00	16,405.76	Miscellaneous items.....		140.00	29.05	Total.....		50,000.00	45,648.79		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																			
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Total.....		50,000.00	45,648.79																																																																																			

- (66) For all necessary expenses for investigations and experiments in dairy industry, cooperative investigations of the dairy industry in the various States, inspection of renovated-butter factories and markets [\$277,470: *Provided*, That \$5,000 of this sum shall be used for investigations, experiments, and demonstrations in connection with the manufacture and marketing of cheese] (*acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1*) -----\$378, 930. 00

NOTE.—There is an apparent increase in this item of \$101,460, but, taking into consideration transfers to the statutory roll aggregating \$15,560, the actual increase is \$117,020, which it is planned to use as follows:

Twenty-seven thousand nine hundred dollars for dairy farming investigations and demonstrations—\$6,000 for the employment of additional assistance in connection with demonstration work in dairying in the Southern States, in cooperation with the extension divisions of the State agricultural colleges; \$8,400 for similar work in the North; and \$13,500 for bull association development throughout the country.

Thirty-five thousand five hundred dollars for dairy manufacturing work—\$10,000 for cooperative work with creameries relative to care in handling cream and problems in the deterioration of cream; \$9,000 for the employment of 3 additional creamery specialists to assist 71 creameries in the South; and \$16,500 for the extension of cheese-factory investigations in the South and West.

Fifteen thousand two hundred and twenty dollars for dairy research work—\$1,000 for travel expenses to enable the laboratory workers to be in the field a part of the time; \$1,100 to secure additional assistance and necessary supplies in the investigation of changes in butter; \$3,000 for milk-condensing investigations; \$4,120 for investigations in the utilization of creamery and cheese factory by-products; \$3,000 for Swiss cheese extension work; and \$3,000 for demonstrations in the manufacture of soft cheese.

Twenty-three thousand four hundred dollars for market milk investigations—\$2,400 for additional assistance in the investigation of problems of pasteurization, cleaning and handling utensils, storage, grading of milk, etc., in connection with the management of milk plants, in cooperation with the Bureau of Markets; \$6,000 for additional assistance in connection with the study of the cost of milk production; and \$15,000 for dairy sanitation extension work.

Fifteen thousand dollars for the inauguration of new work in the improvement of dairy products produced and consumed on the farm. It is desired to organize a group of dairy specialists capable of making on the farm any of the ordinary farm products, such as butter, cottage cheese, and the so-called cream cheese. Both of these varieties of cheese have a nutritive value about equal to

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
<i>General Expenses, Bureau of Animal Industry—Continued.</i>			
that of meat. These specialists would assist the extension workers, especially the domestic-science workers, in improving these products, devoting about a month's time to such campaigns in a given State. At the end of that time the extension workers would have a fair knowledge of the subject and could make demonstrations in connection with their regular work. The group of dairy specialists would then be free to go to another State and continue the work there. It is believed that much good would result from this phase of the educational work.			
The proviso in this item requiring the expenditure of \$5,000 for cheese investigations and demonstrations is omitted. It is expected that considerably more than \$5,000 will be expended in this work.			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Dairy husbandman in charge.....per annum..	\$3,750.00	1	1
Physiologist.....do....	3,000.00	1	1
Bacteriologist.....do....	3,000.00	1	1
Bacteriologist.....do....	2,460.00	1	1
Bacteriologists.....do....	1,440.00	2	1
Bacteriologists.....do....	1,320.00	2	1
Assistant bacteriologist.....do....	1,620.00	1	1
Chemist.....do....	2,520.00	1	1
Chemist.....do....	2,100.00	1	1
Chemists.....do....	2,000.00	2	1
Chemists.....do....	1,980.00	2	2
Chemist.....do....	1,920.00	1	1
Chemists.....do....	1,800.00	4	2
Chemist.....do....	1,620.00	..	1
Chemists.....do....	1,440.00	2	1
Technologist.....do....	2,460.00	{	1
Agriculturist.....do....	2,400.00	1	..
Milk specialists.....do....	2,520.00	1	..
Milk specialists.....do....	2,460.00	{	2
Milk specialist.....do....	2,400.00	2	..
Milk specialist.....do....	1,980.00	1	..
Milk specialist.....do....	1,920.00	1	..
Milk specialists.....do....	1,800.00	3	2
Milk specialists.....do....	1,500.00	5	..
Manufacturing specialist.....do....	2,700.00	1	..
Manufacturing specialist.....do....	2,520.00	1	..
Manufacturing specialist.....do....	2,460.00	..	1
Manufacturing specialist.....do....	2,280.00	..	1
Manufacturing specialist.....do....	2,220.00	1	..
Manufacturing specialist.....do....	2,160.00	1	1
Manufacturing specialist.....do....	2,100.00	1	1
Manufacturing specialist.....do....	2,040.00	1	..
Manufacturing specialists.....do....	1,980.00	6	6
Manufacturing specialist.....do....	1,920.00	1	1
Manufacturing specialists.....do....	1,800.00	12	3
Manufacturing specialist.....do....	1,500.00	1	1
Dairy experts.....do....	1,800.00	7	..
Dairy engineer.....do....	2,040.00	{	1
Junior dairyman.....do....	1,800.00	1	1
Dairy husbandman.....do....	1,320.00	1	1
Dairy husbandman.....do....	2,700.00	1	1
Dairy husbandman.....do....	2,460.00	1	..
Dairy husbandman.....do....	2,340.00	{	1
Dairy husbandman.....do....	2,280.00	1	1
Dairy husbandman.....do....	2,220.00	1	1
Dairy husbandman.....do....	2,160.00	..	1
Dairy husbandmen.....do....	2,100.00	1	2
Dairy husbandman.....do....	2,040.00	1	1
Dairy husbandman.....do....	1,980.00	1	..
Dairy husbandmen.....do....	1,800.00	4	2
Dairy husbandmen.....do....	1,500.00	2	1
Dairy husbandman.....do....	1,440.00	{	1
Dairy husbandman.....do....	1,400.00	1	1
Scientific assistant.....do....	1,400.00	..	1
Scientific assistant.....do....	1,380.00	1	1
Scientific assistant.....do....	1,320.00	1	1
Scientific assistants.....do....	1,200.00	2	2
Assistant specialist.....do....	1,800.00	1	1
Assistant specialist.....do....	1,740.00	1	1
Assistant specialists.....do....	1,620.00	1	2
Assistant in dairy manufacturing.....do....	1,800.00	1	..
Assistant in dairy manufacturing.....do....	1,500.00	1	..
Assistant husbandman.....do....	1,800.00	1	..
Assistant husbandman.....do....	1,740.00	1	..
Assistant husbandmen.....do....	1,620.00	4	3
Assistant husbandmen.....do....	1,500.00	9	2
Assistant husbandman.....do....	1,440.00	{	1
Assistant husbandman.....do....	1,380.00	1	1
Assistant husbandman.....do....	1,320.00	1	1
Assistant husbandman.....do....	1,200.00	1	1
Cheesemakers.....do....	1,440.00	2	1
Cheesemakers.....do....	1,300.00	3	..
Cheesemakers.....do....	1,200.00	5	3
Expert animal nutrition.....do....	1,000.00	1	1
Assistant experts, animal nutrition.....do....	1,000.00	2	2
Agent.....do....	1,900.00	1	1

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																								
<i>General Expenses, Bureau of Animal Industry—Continued.</i>																																																																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries—Continued.</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Agents.....per annum..</td><td>\$1,500.00</td><td>13</td><td>7</td></tr><tr><td>Agents.....do....</td><td>1,400.00</td><td>3</td><td>2</td></tr><tr><td>Agents.....do....</td><td>1,380.00</td><td>2</td><td>..</td></tr><tr><td>Agents.....do....</td><td>1,350.00</td><td>2</td><td>1</td></tr><tr><td>Agents.....do....</td><td>1,320.00</td><td>3</td><td>1</td></tr><tr><td>Agent.....do....</td><td>1,300.00</td><td>..</td><td>1</td></tr><tr><td>Agent.....do....</td><td>1,260.00</td><td>..</td><td>1</td></tr><tr><td>Agent.....do....</td><td>1,250.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do....</td><td>1,200.00</td><td>16</td><td>4</td></tr><tr><td>Agent.....do....</td><td>1,150.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....do....</td><td>1,000.00</td><td>1</td><td>1</td></tr><tr><td>Clerks, \$1,200 and \$1,000*.....do....</td><td>..</td><td>..</td><td>2</td></tr><tr><td>Clerk**.....do....</td><td>1,400.00</td><td>..</td><td>1</td></tr><tr><td>Clerks**.....do....</td><td>900.00</td><td>..</td><td>2</td></tr><tr><td>Charwoman**.....do....</td><td>240.00</td><td>..</td><td>1</td></tr><tr><td>Architect, draftsman, agents, and student assistant, \$900 to \$300.....per annum..</td><td>..</td><td>5 (2 temp.)</td><td>7</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Carpenter*.....do....</td><td>1,140.00</td><td>..</td><td>1</td></tr><tr><td>Laborer**.....do....</td><td>900.00</td><td>..</td><td>1</td></tr><tr><td>Laborers**.....do....</td><td>600.00</td><td>..</td><td>3</td></tr><tr><td>Laborers**.....do....</td><td>540.00</td><td>..</td><td>5</td></tr><tr><td>Laborers**.....do....</td><td>480.00</td><td>..</td><td>8</td></tr><tr><td>Miscellaneous and temporary labor—</td><td></td><td></td><td></td></tr><tr><td> \$480.....do....</td><td>..</td><td>10</td><td>1</td></tr><tr><td> \$3.50 to \$1.25.....per diem..</td><td>..</td><td>..</td><td>7</td></tr><tr><td>Salaries.....</td><td>..</td><td>\$294,690.00</td><td>\$177,805.02</td></tr><tr><td>Wages.....</td><td>..</td><td>4,840.00</td><td>9,789.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td>..</td><td>50,000.00</td><td>32,768.79</td></tr><tr><td>Equipment and material.....</td><td>..</td><td>10,000.00</td><td>5,596.67</td></tr><tr><td>Miscellaneous items.....</td><td>..</td><td>19,400.00</td><td>15,911.24</td></tr><tr><td>Total.....</td><td>..</td><td>378,930.00</td><td>241,870.72</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries—Continued.		<i>Number.</i>	<i>Number.</i>	Agents.....per annum..	\$1,500.00	13	7	Agents.....do....	1,400.00	3	2	Agents.....do....	1,380.00	2	..	Agents.....do....	1,350.00	2	1	Agents.....do....	1,320.00	3	1	Agent.....do....	1,300.00	..	1	Agent.....do....	1,260.00	..	1	Agent.....do....	1,250.00	1	1	Agents.....do....	1,200.00	16	4	Agent.....do....	1,150.00	1	1	Agent.....do....	1,000.00	1	1	Clerks, \$1,200 and \$1,000*.....do....	2	Clerk**.....do....	1,400.00	..	1	Clerks**.....do....	900.00	..	2	Charwoman**.....do....	240.00	..	1	Architect, draftsman, agents, and student assistant, \$900 to \$300.....per annum..	..	5 (2 temp.)	7	Wages:				Carpenter*.....do....	1,140.00	..	1	Laborer**.....do....	900.00	..	1	Laborers**.....do....	600.00	..	3	Laborers**.....do....	540.00	..	5	Laborers**.....do....	480.00	..	8	Miscellaneous and temporary labor—				\$480.....do....	..	10	1	\$3.50 to \$1.25.....per diem..	7	Salaries.....	..	\$294,690.00	\$177,805.02	Wages.....	..	4,840.00	9,789.00	Other objects of expenditure:				Traveling expenses.....	..	50,000.00	32,768.79	Equipment and material.....	..	10,000.00	5,596.67	Miscellaneous items.....	..	19,400.00	15,911.24	Total.....	..	378,930.00	241,870.72		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																																																																							
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*Transferred to statutory roll in Agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918.

- (67) For all necessary expenses for investigations and experiments in animal husbandry; for experiments in animal feeding and breeding, including cooperation with the State agricultural experiment stations, including repairs and additions to and erection of buildings absolutely necessary to carry on the experiments, including the employment of labor in the city of Washington and elsewhere, rent outside of the District of Columbia, and all other necessary expenses, **["\$208,320"]** **\$277,580**: *Provided*, That of the sum thus appropriated **["\$25,000"]** **\$22,840** may be used for experiments in the breeding and maintenance of horses for military purposes, and **\$15,000** for the purchase of lands in the vicinity of the Morgan Horse Farm near Middlebury, Vermont: *Provided further*, That of the sum thus appropriated, **["\$37,000"]** **\$45,380** may be used for experiments in poultry feeding and breeding, including the feeding and breeding of ostriches and investigations and experiments in the study of the ostrich industry (acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, p. 449-451, sec. 1) ----- **\$277,580.00**

NOTE.—There is an apparent increase in this item of \$69,260, but, taking into consideration transfers to the statutory roll aggregating \$11,820, the actual increase is \$81,080. There is no change in the amount for military horse breeding, the apparent reduction from \$25,000 to \$22,840 being due to transfers to the statutory roll. There is an apparent increase of \$8,380 in the allotment for poultry investigations, but, on account of transfers to the statutory roll, the actual increase is \$10,000. It is proposed to use this increase of \$81,080 as follows:

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
<i>General Expenses, Bureau of Animal Industry—Continued.</i>			
Two thousand five hundred dollars for studies of beef production in the corn belt, in cooperation with the Office of Farm Management. The number of farms studied in the original survey was too small to enable the bureau to draw general deductions.			
Twelve thousand two hundred and eighty dollars for range sheep investigations. During the current fiscal year it is expected to move the experimental flock of sheep now being maintained on a private range near Laramie, Wyo., to a new location on Government property in Idaho. This increase is requested to meet the expense of equipping the new station.			
Three thousand eight hundred dollars for farm sheep investigations, to continue the study of the principles of raising sheep on the farm, particularly in connection with the use of forage, the methods of handling the farm flock under average conditions, and the adaptability of breeds, etc. Farmers everywhere are being attracted to sheep raising on account of the high prices of lambs and wool and because of the constantly increasing consumption of lamb and mutton.			
Twenty-five thousand dollars for farm sheep demonstrations, to enable the bureau to place a number of qualified assistants in the field to carry on demonstrations in sheep raising, in cooperation with the States Relations Service and the agricultural colleges.			
Twelve thousand five hundred dollars for the organization of pig clubs. On July 1 there were 21,000 members in the pig clubs in the 13 States in which the work was being conducted. This increase will make possible the inauguration of the work in 5 or 7 additional States during the fiscal year 1918.			
Ten thousand dollars for the inauguration of poultry clubs. During the last year the membership in poultry clubs has more than doubled, the total membership exceeding 8,500, and agents are stationed in 7 States. With this increase the work can be inaugurated in 5 or 6 additional States during the fiscal year 1918.			
Fifteen thousand dollars for purchase of land at Middlebury, Vt. Additional language is added to the animal-husbandry item providing for the purchase of land in the vicinity of the Morgan horse farm, near Middlebury, Vt. The present farm consists of approximately 500 acres of more or less rocky soil, not well adapted for the production of forage, and it is desired to secure an additional tract of contiguous land suitable for raising feed for horses and sheep and for providing additional pasturage.			
<i>Animal husbandry.</i>			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Animal husbandman in charge.....per annum..	\$3,750.00	1	1
Senior animal husbandman.....do.....	2,760.00	1	1
Senior animal husbandman.....do.....	2,750.00	1	1
Senior animal husbandman.....do.....	2,520.00	1	1
Senior animal husbandman.....do.....	2,400.00	1	1
Senior animal husbandmen.....do.....	2,000.00	2	2
Animal husbandman.....do.....	1,800.00	2	2
Animal husbandman.....do.....	1,680.00	1	1
Animal husbandmen.....do.....	1,620.00	2	1
Animal husbandman.....do.....	1,500.00	1	1
Junior animal husbandman.....do.....	1,620.00	1	1
Junior animal husbandmen.....do.....	1,380.00	2	3
Live-stock assistant.....do.....	1,920.00	1	1
Agents in animal husbandry.....do.....	1,800.00	16	6
Agents in animal husbandry.....do.....	1,500.00	4	6
Agents in animal husbandry.....do.....	1,200.00	4	2
Scientific assistants.....do.....	1,800.00	15	2
Scientific assistant.....do.....	1,500.00	1	1
Scientific assistants.....do.....	1,380.00	5	4
Expert groom.....do.....	1,260.00	1	1
Clerk.....do.....	1,200.00	1	1
Foremen horse breeders, expert trainer, expert animal husbandmen, assistant in wool investigations, and appraisers in animal husbandry:			
\$900 to \$600.....per annum.....		4 (1 temp.)	5
\$10 and \$9.....per diem.....		4 (temp.)	2 (temp.)
Wages:			
Laborers*.....per annum.....	600.00	..	6
Laborers*.....do.....	540.00	..	7
Laborers*.....do.....	480.00	..	3
Laborer*.....do.....	300.00	..	1
Miscellaneous and temporary labor—			
\$540.....do.....		3	1
\$4 to \$1.50.....per diem.....		15	16
Salaries.....		\$111,572.00	\$70,045.83
Wages.....		4,928.00	8,925.00
Other objects of expenditure:			
Traveling expenses.....		23,500.00	8,442.15
Equipment and material.....		15,000.00	4,864.50
Miscellaneous items.....		39,360.00	36,422.46
Purchase of land.....		15,000.00	.....
Total.....		209,360.00	128,699.94

* Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1917.

General Expenses, Bureau of Animal Industry—Continued.

Military horse breeding.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Senior animal husbandman.....per annum..	\$2,760.00	1	1
Animal husbandman.....do.....	2,000.00	1	1
Veterinary inspector.....do.....	2,040.00	1	1
Foremen of horse breeding and agents.....do.....	900.00	3	3
in animal husbandry.....per diem..	9.00	3 (temp.)	..
Wages:			
Laborers*.....per annum..	780.00	..	2
Laborer*.....do.....	600.00	..	1
Laborer.....do.....	540.00	..	1
Temporary laborers, \$600 to \$108.....do.....	..	6	5
Salaries.....	..	11,596.00	\$11,891.69
Wages.....	..	1,704.00	3,575.00
Other objects of expenditure:			
Traveling expenses.....	..	1,200.00	1,191.90
Equipment and material.....	..	240.00	203.80
Miscellaneous items.....	..	8,100.00	7,853.59
Total.....		22,840.00	24,715.98

* Transferred to statutory roll in estimates for 1918.

Poultry feeding and breeding.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Senior animal husbandman.....per annum..	\$2,580.00	1	1
Scientific assistant in animal husbandry.....do.....	2,400.00	1	1
Scientific assistant in animal husbandry.....do.....	1,800.00	1	1
Scientific assistant in animal husbandry.....do.....	1,500.00	1	1
Scientific assistant in animal husbandry.....do.....	1,500.00	1	1
Scientific assistants in animal husbandry.....do.....	1,380.00	3	2
Scientific assistant in poultry husbandry.....do.....	1,380.00	..	1
Animal husbandman.....do.....	1,620.00	1	1
Junior animal husbandman.....do.....	1,500.00	1	1
Junior animal husbandman.....do.....	1,380.00	1	1
Agents in animal husbandry.....do.....	1,800.00	4	..
Agents in animal husbandry.....do.....	1,500.00	4	3
Agents in animal husbandry.....do.....	1,380.00	3	3
Clerk*.....do.....	900.00	..	1
Wages:			
Laborers**.....do.....	540.00	..	2
Temporary labor, \$3.50 to \$1.50.....per diem..	..	2	3
Salaries.....	..	\$33,532.00	\$22,827.26
Wages.....	..	468.00	2,094.00
Other objects of expenditure:			
Traveling expenses.....	..	3,000.00	1,876.45
Equipment and material.....	..	1,880.00	748.93
Miscellaneous items.....	..	6,500.00	3,432.32
Total.....		45,380.00	30,978.96

*Transferred to statutory roll in Agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918.

- (68) For all necessary expenses for scientific investigations in diseases of animals, including the maintenance and improvement of the bureau experiment station at Bethesda, Maryland, and the necessary alterations of buildings thereon, and the necessary expenses for investigations of tuberculin, serums, antitoxins, and analogous products, **[\$138,020] \$134,600: Provided, That** of said sum \$50,000 may be used for researches concerning the cause, modes of spread, and methods of treatment and prevention of the disease of contagious abortion of animals (*acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1*)----- **\$134,600.00**

NOTE.—There is an apparent decrease in this item of \$3,420, due to transfers to the statutory roll.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
<i>Diseases of animals.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Veterinary inspector in charge.....per annum..	\$3,500.00	1	..		
Superintendent experiment station.....do....	3,500.00	1	1		
Senior pathologist.....do....	3,000.00	..	1		
Senior bacteriologist.....do....	2,520.00	1	..		
Physiologist.....do....	2,820.00	1	1		
Physiologist.....do....	2,700.00	1	1		
Physiologist.....do....	1,950.00	1	..		
Physiologist.....do....	1,800.00	1	1		
Pathologist.....do....	2,520.00	..	1		
Bacteriologist.....do....	2,220.00	1	1		
Bacteriologist.....do....	2,000.00	1	1		
Bacteriologist.....do....	1,980.00	1	1		
Assistant bacteriologist.....do....	2,160.00	..	1		
Assistant zoologists.....do....	2,220.00	2	2		
Assistant zoologist.....do....	1,800.00	1	1		
Junior zoologist.....do....	1,620.00	1	1		
Junior zoologist.....do....	1,400.00	1	1		
Veterinary inspector.....do....	2,460.00	1	1		
Veterinary inspector.....do....	2,250.00	1	1		
Veterinary inspector.....do....	2,220.00	1	1		
Veterinary inspectors.....do....	1,800.00	6	2		
Veterinary inspector.....do....	1,620.00	..	1		
Veterinary inspectors.....do....	1,600.00	2	1		
Veterinary inspectors.....do....	1,400.00	3	2		
Expert in milk hygiene.....do....	1,380.00	1	1		
Laboratory assistant*.....do....	1,000.00	..	1		
Collaborating veterinarians, field assistant, assistant microscopist, agent, assistant bacteriologist, and student assistants, \$840 to \$1, per annum.....		5	7		
Wages:					
Unskilled laborer*.....per annum..	720.00	..	1		
Unskilled laborers*.....do....	600.00	..	2		
Unskilled laborer*.....do....	480.00	..	1		
Temporary laborers, \$1.75 and \$1.50...per diem..		6	7		
Salaries.....		\$53,227.00	\$51,511.84		
Wages.....		1,923.00	3,900.00		
Other objects of expenditure:					
Traveling expenses.....		3,800.00	3,711.65		
Equipment and material.....		5,100.00	5,070.58		
Miscellaneous items.....		20,550.00	20,453.92		
Total.....		84,600.00	84,647.99		
* Transferred to statutory roll in estimates for 1918.					
<i>Abortion of animals.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.*		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Bacteriologist.....per annum..	\$2,000.00	1	..		
Veterinary inspector.....do....	2,000.00	1	..		
Veterinary inspectors.....do....	1,800.00	3	..		
Veterinary inspectors.....do....	1,600.00	2	..		
Veterinary inspector, agent, and student assistants, \$840 to \$900.....per annum..		6	..		
Salaries.....		\$15,140.00			
Other objects of expenditure:					
Traveling expenses.....		8,000.00			
Equipment and material.....		8,000.00			
Miscellaneous items.....		18,860.00			
Total.....		50,000.00			
* No appropriation for fiscal year 1916.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																		
General Expenses, Bureau of Animal Industry—Continued.																				
(69) For construction of buildings at bureau experiment station at Bethesda, Maryland, and bureau experiment farm at Beltsville, Maryland (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1</i>)	\$23, 600. 00																			
<table><tr><th>To be constructed in 1918.</th><th>Completed in 1916.</th></tr><tr><td>10 reinforced-concrete animal buildings, 14 by 16 by 8, 1,792 cubic feet per building, total, 17,920 feet, at 14 cents per cubic foot..... \$2,500. 00</td><td>1 poultry breeding house, 108 by 14 by 6, 12,096 cubic feet, at 7 cents per cubic foot..... \$854. 83</td></tr><tr><td>1 incubator laboratory and incubator cellar, 40 by 41 by 30, 49,200 cubic feet, at 10 cents per cubic foot..... 5,000. 00</td><td>1 extension cockerel house, 44 by 14 by 6, 4,928 cubic feet, at 5 cents per cubic foot..... 242. 79</td></tr><tr><td>1 reinforced-concrete laboratory, 20 by 60 by 20, 24,000 cubic feet, at 20 cents per cubic foot..... 5,000. 00</td><td>1 extension to hog barn, 65 by 14½ by 11, 12,642 cubic feet, at 5 cents per cubic foot..... 628. 56</td></tr><tr><td>1 one-story concrete extension of west wing of dairy barn, 37 by 48, 23,334 cubic feet, at 15 cents per cubic foot..... 3,500. 00</td><td>1 mess house, concrete, 36 by 40 by 30, 43,200 cubic feet, at 8 cents per cubic foot..... 3,500. 00</td></tr><tr><td>1 two-story concrete calf and bull barn, 30 by 100, 40,000 cubic feet, at 9 cents per cubic foot..... 3,600. 00</td><td>1 concrete fire-pump house, 12 by 18 by 10, 1,960 cubic feet, at 8 cents per cubic foot..... 170. 00</td></tr><tr><td>1 one-story frame cornerib, 6,250 cubic feet, at 8 cents per cubic foot..... 500. 00</td><td>1 reinforced-concrete animal barn, slate roof, 22½ by 29 by 8, and one extension, 6 by 7 by 8, 5,552 cubic feet, at 17 cents per cubic foot..... 932. 39</td></tr><tr><td>1 two-story concrete mule barn, with feed storage, 32 by 50, 35,000 cubic feet, at 10 cents per cubic foot..... 3,500. 00</td><td>Extensions to buildings (unable to figure cubic feet)..... 254. 71</td></tr><tr><td>Total..... 23,600. 00</td><td>Total..... 6,583. 28</td></tr></table>	To be constructed in 1918.	Completed in 1916.	10 reinforced-concrete animal buildings, 14 by 16 by 8, 1,792 cubic feet per building, total, 17,920 feet, at 14 cents per cubic foot..... \$2,500. 00	1 poultry breeding house, 108 by 14 by 6, 12,096 cubic feet, at 7 cents per cubic foot..... \$854. 83	1 incubator laboratory and incubator cellar, 40 by 41 by 30, 49,200 cubic feet, at 10 cents per cubic foot..... 5,000. 00	1 extension cockerel house, 44 by 14 by 6, 4,928 cubic feet, at 5 cents per cubic foot..... 242. 79	1 reinforced-concrete laboratory, 20 by 60 by 20, 24,000 cubic feet, at 20 cents per cubic foot..... 5,000. 00	1 extension to hog barn, 65 by 14½ by 11, 12,642 cubic feet, at 5 cents per cubic foot..... 628. 56	1 one-story concrete extension of west wing of dairy barn, 37 by 48, 23,334 cubic feet, at 15 cents per cubic foot..... 3,500. 00	1 mess house, concrete, 36 by 40 by 30, 43,200 cubic feet, at 8 cents per cubic foot..... 3,500. 00	1 two-story concrete calf and bull barn, 30 by 100, 40,000 cubic feet, at 9 cents per cubic foot..... 3,600. 00	1 concrete fire-pump house, 12 by 18 by 10, 1,960 cubic feet, at 8 cents per cubic foot..... 170. 00	1 one-story frame cornerib, 6,250 cubic feet, at 8 cents per cubic foot..... 500. 00	1 reinforced-concrete animal barn, slate roof, 22½ by 29 by 8, and one extension, 6 by 7 by 8, 5,552 cubic feet, at 17 cents per cubic foot..... 932. 39	1 two-story concrete mule barn, with feed storage, 32 by 50, 35,000 cubic feet, at 10 cents per cubic foot..... 3,500. 00	Extensions to buildings (unable to figure cubic feet)..... 254. 71	Total..... 23,600. 00	Total..... 6,583. 28		
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Total..... 23,600. 00	Total..... 6,583. 28																			
(70) For investigating the disease of hog cholera, and for its control or eradication by such means as may be necessary, including demonstrations, the formation of organizations, and other methods, either independently or in cooperation with farmers, associations, State or county authorities, ["\$360,000"] \$413,100: Provided, That of said sum ["\$175,000"] \$172,240 shall be available for expenditures in carrying out the provisions of the act approved March fourth, nineteen hundred and thirteen, regulating the preparation, sale, barter, exchange, or shipment of any virus, serum, toxin, or analogous product manufactured in the United States and the importation of such products intended for use in the treatment of domestic animals: And provided further, That of said sum ["\$35,000"] \$32,060 shall be available for researches concerning the cause, modes of spread, and methods of treatment and prevention of this disease (<i>same acts</i>).	413,100.00																			
<p>NOTE.—There is an apparent increase in this item of \$53,100, but, taking into consideration transfers to the statutory roll, aggregating \$6,900, the actual increase is \$60,000. The apparent decreases in the amount for the control of viruses, etc., from \$175,000 to \$172,240, and in the allotment for research work from \$35,000 to \$32,060, are due to transfers to the statutory roll and do not constitute actual decreases.</p> <p>It is proposed to use this entire increase of \$60,000 for the field hog-cholera work as distinguished from the work connected with the enforcement of the virus-serum-toxin act. The appropriation for the current fiscal year for hog-cholera field work is \$150,000. In addition, there remains a balance of approximately \$45,000 from the appropriation made by the act of February 23, 1914, so that a total of \$195,000 is available for this purpose. With the additional \$60,000 recommended, there will be available for the fiscal year 1918 \$210,000, or only \$15,000 more than the amount that will be expended for this work during the current year. The bureau now is engaged in intensive or regulatory work, in cooperation with the State authorities, in about 100 counties in 13 States, and demands for the extension of the work to additional territory constantly are being received. There are about 50 veterinarians engaged in this</p>																				

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
<p>class of hog-cholera work, and during the season when the disease is most prevalent this force necessarily will have to be increased. The loss from hog cholera during 1915 was approximately \$35,000,000, or only about one-half as great as in 1913, while the production of hogs increased 5 per cent. At the present time considerable educational work is being carried on in various States in cooperation with the extension forces of the State colleges and the States Relations Service, but no part of the appropriation recommended is to be devoted to this purpose.</p> <p style="text-align: center;"><i>Eradicating hog cholera.</i></p>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Biochemist in charge..... per annum.....	\$4,000.00	1	1		
Senior biochemist.....do.....	3,000.00	1	1		
Senior bacteriologist.....do.....	2,700.00	1	1		
Veterinary inspector.....do.....	3,000.00	1	1		
Veterinary inspector.....do.....	2,400.00	1	1		
Veterinary inspector.....do.....	2,280.00	1	1		
Veterinary inspector.....do.....	2,250.00	1	1		
Veterinary inspector.....do.....	2,220.00	1	1		
Veterinary inspector.....do.....	2,100.00	1	1		
Veterinary inspectors.....do.....	2,040.00	5	3		
Veterinary inspectors.....do.....	2,000.00	2	1		
Veterinary inspectors.....do.....	1,980.00	3	1		
Veterinary inspectors.....do.....	1,900.00	1	1		
Veterinary inspectors.....do.....	1,800.00	19	7		
Veterinary inspectors.....do.....	1,620.00	22	7		
Veterinary inspector.....do.....	1,600.00	1	1		
Veterinary inspectors.....do.....	1,400.00	21	3		
Laboratory inspector.....do.....	1,800.00	1	1		
Clerks *.....do.....	900.00	..	3		
Wages:					
Laborer **.....do.....	780.00	..	1		
Laborers **.....do.....	720.00	..	3		
Salaries.....		\$146,350.00	\$68,573.43		
Wages.....			3,660.00		
Other objects of expenditure:					
Traveling expenses.....		30,000.00	12,054.31		
Equipment and material.....		2,000.00	1,636.94		
Miscellaneous items.....		30,450.00	25,293.73		
Total.....		203,800.00	109,218.41		
* Transferred to statutory roll in Agricultural act for 1917.					
** Transferred to statutory roll in estimates for 1918.					
<i>Viruses, serums, and toxins.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Senior pathologist..... per annum.....	\$3,000.00	1	..		
Bacteriologist.....do.....	2,280.00	1	1		
Veterinary inspector.....do.....	2,400.00	1	1		
Veterinary inspectors.....do.....	2,220.00	1	1		
Veterinary inspectors.....do.....	2,160.00	4	..		
Veterinary inspectors.....do.....	2,000.00	1	2		
Veterinary inspectors.....do.....	1,980.00	3	1		
Veterinary inspectors.....do.....	1,920.00	1	1		
Veterinary inspector.....do.....	1,900.00	1	1		
Veterinary inspectors.....do.....	1,800.00	14	2		
Veterinary inspectors.....do.....	1,620.00	40	5		
Veterinary inspectors.....do.....	1,600.00	2	2		
Veterinary inspectors.....do.....	1,400.00	15	6		
Lay inspectors and student assistant, \$1,000 to \$300..... per annum.....		10	2		
Clerks, \$1,000 to \$900 *.....do.....		..	3		
Clerk **.....do.....	900.00	..	1		
Charwoman **.....do.....	240.00	..	1		
Salaries.....		\$148,890.00	\$41,186.80		
Other objects of expenditure:					
Traveling expenses.....		20,000.00	6,609.38		
Miscellaneous items.....		3,350.00	1,588.18		
Total.....		172,240.00	49,384.36		
* Transferred to statutory roll in Agricultural act for 1917.					
** Transferred to statutory roll in estimates for 1918.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																				
General Expenses, Bureau of Animal Industry—Continued.																																																						
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<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Veterinary inspector.....per annum..</td><td>\$3,000.00</td><td>1</td><td>..</td></tr><tr><td>Senior biochemist.....do.....</td><td>2,700.00</td><td>1</td><td>..</td></tr><tr><td>Bacteriologist.....do.....</td><td>2,250.00</td><td>1</td><td>..</td></tr><tr><td>Pathologist.....do.....</td><td>2,000.00</td><td>1</td><td>..</td></tr><tr><td>Laboratory inspector.....do.....</td><td>1,980.00</td><td>1</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$11,930.00</td><td></td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,000.00</td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>6,000.00</td><td></td></tr><tr><td>Miscellaneous items.....</td><td></td><td>11,130.00</td><td></td></tr><tr><td>Total.....</td><td></td><td>32,060.00</td><td></td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:		Number.	Number.	Veterinary inspector.....per annum..	\$3,000.00	1	..	Senior biochemist.....do.....	2,700.00	1	..	Bacteriologist.....do.....	2,250.00	1	..	Pathologist.....do.....	2,000.00	1	..	Laboratory inspector.....do.....	1,980.00	1	..	Salaries.....		\$11,930.00		Other objects of expenditure:				Traveling expenses.....		3,000.00		Equipment and material.....		6,000.00		Miscellaneous items.....		11,130.00		Total.....		32,060.00			
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*No appropriation for fiscal year 1916.																																																						
(71) For all necessary expenses for the investigation, treatment, and eradication of dourine [\$75,000] \$99,000, of which amount \$50,000 shall be immediately available (acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1) -----	\$99,000.00																																																					
<p>NOTE.—The apparent increase in this item is \$24,000, but taking into consideration the transfer to the statutory roll of one laboratory helper at \$1,000, the actual increase is \$25,000.</p> <p>Dourine infection has been found to involve a larger area than was at first anticipated, and while the disease has probably been eradicated from Iowa and Nebraska, and practically eradicated from certain sections of North Dakota, South Dakota, and Montana, it will be necessary during the next year or two to maintain a careful supervision over the territory believed to be cleaned up and to test the breeding stock each spring as a precautionary measure.</p> <p>This disease is very serious in certain sections of Wyoming, and urgent appeals have been received for help. The department, however, has been able to do little more than start the investigations in that State on account of the limited funds available. In Arizona dourine exists on the Navajo Reservation and in other sections. This reservation covers an extensive area, requiring the services of a large force of inspectors properly to conduct the work of eradication. Appropriations for this purpose have been inadequate heretofore.</p> <p>It is estimated that it will require a total of \$100,000 to conduct the dourine eradication work effectively and to meet all claims for indemnity. When funds have been available the department has been paying one-half of the appraised value of the horses slaughtered, not to exceed \$100 for any one animal, but it has been impossible to pay such share for all horses slaughtered, thus working a hardship on the owners.</p> <p>New language has been added to this item, providing that \$50,000 shall be made immediately available. It is essential that a large force of inspectors should be placed in the field during the spring and early summer. Where this can not be done it is not possible properly to test all stallions and mares prior to the breeding season or to take advantage of the spring "round-ups" for securing blood serum. Unless tests are made prior to the breeding season, many infected animals will not be eliminated from the herd but will remain on the range at a time when they will be very certain to spread infection.</p>																																																						

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Veterinary inspectors.....per annum..	\$1,800.00	3	3		
Veterinary inspector.....do.....	1,740.00	1	..		
Veterinary inspectors.....do.....	1,620.00	8	2		
Veterinary inspectors.....do.....	1,400.00	14	7		
Student assistants.....per month.....	25.00	3	3		
Wages:					
Temporary laborers.....per annum.....	480.00	..	2		
Salaries.....		\$39,730.00	\$18,815.49		
Wages.....			480.00		
Other objects of expenditure:					
Traveling expenses.....		30,000.00	19,284.78		
Miscellaneous items.....		29,270.00	19,451.00		
Total.....		99,000.00	58,031.27		
(72) For general administrative work, including traveling expenses and salaries of employees engaged in such work, rent outside of the District of Columbia, office fixtures and supplies, express, freight, telegraph, telephone, and other necessary expenses 【\$30,186】 (acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 833 and 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1, and Aug. 11, 1916, vol. 39, pp. 449-451, sec. 1)				\$26,686.00	
NOTE.—There is an apparent decrease in this item of \$3,500, due to transfer to the statutory roll of one executive assistant, at \$2,500, and one clerk, at \$1,000.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Veterinary inspector and assistant chief of bureau.....per annum..	\$4,500.00	1	1		
Veterinary inspectors in charge.....do.....	3,500.00	1	2		
Veterinary inspector.....do.....	2,750.00	1	1		
Veterinary inspector in charge.....do.....	2,500.00	1	1		
Expert in scientific and practical agriculture.....per annum..	2,500.00	1	1		
Executive clerk, inspector, and clerks, \$2,250 to \$900*.....per annum.....		..	5		
Executive assistant**.....do.....	2,500.00	..	1		
Clerk**.....do.....	1,000.00	..	1		
Clerks.....do.....	900.00	7 (temp.)	6 (temp.)		
Salaries.....		\$22,000.00	\$33,357.61		
Other objects of expenditure:					
Stationery.....		2,000.00	1,452.89		
Traveling expenses.....		700.00	689.07		
Equipment and material.....		1,161.00	446.73		
Telegraph and telephone service.....		500.00	437.79		
Miscellaneous items.....		325.00	294.87		
Total.....		26,686.00	36,678.96		
* Transferred to statutory roll in Agricultural act for 1917.					
** Transferred to statutory roll in estimates for 1918.					
In all, for general expenses				\$2,588,336.00	\$2,277,776.00
Appropriations for 1908.....	\$947,200	Estimates for 1909.....	\$997,200		
Appropriations for 1909.....	997,200	Estimates for 1910.....	1,043,760		
Deficiency act.....	309,000				
Appropriations for 1910.....	1,263,760	Estimates for 1911.....	1,234,540		
Appropriations for 1911.....	1,234,540	Estimates for 1912.....	1,288,180		
Appropriations for 1912.....	1,257,300	Estimates for 1913.....	1,229,666		
Appropriations for 1913.....	1,217,866	Estimates for 1914.....	1,366,546		
Appropriations for 1914.....	1,371,946	Estimates for 1915.....	1,727,996		
Appropriations for 1915.....	1,597,996	Estimates for 1916.....	1,637,746		
Appropriations for 1916.....	1,856,706	Estimates for 1917.....	2,072,776		
Appropriations for 1917.....	2,277,776	Estimates for 1918.....	2,588,336		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																																																																																																																				
<i>Meat Inspection, Bureau of Animal Industry—</i>																																																																																																																																																																																																																																																						
(73) For additional expenses in carrying out the provisions of the meat-inspection act of June thirtieth, nineteen hundred and six (Thirty-fourth Statutes at Large, page six hundred and seventy-four), there is hereby appropriated for the fiscal year ending June thirtieth, nineteen hundred and seventeen <i>eighteen</i> , the sum of ["\$344,500"] <i>\$575,360 (act June 30, 1906, vol. 34, p. 674, sec. 1, and Aug. 11, 1916, vol. 39, p. 451, sec. 1)</i> -----	\$575, 360. 00	\$344, 500. 00																																																																																																																																																																																																																																																				
<p>NOTE.—The apparent increase in this item is \$230,860, but, taking into consideration the transfers to the statutory roll, aggregating \$6,860, the actual increase is \$237,720. Of this increase \$22,380 covers the transfer of 25 places from the statutory roll. It is proposed to use the remaining \$215,340 as follows:</p> <p>For the employment of 55 additional veterinary inspectors and 75 lay inspectors, \$141,600.</p> <p>For the promotion of 108 veterinary inspectors and 735 lay inspectors, \$73,740. These promotions are recommended in order properly to recognize deserving employees who have rendered efficient and prolonged service and to keep good men in the service. The additions to the force are required adequately to carry the meat-inspection law and regulations into effect by more fully supervising the operations of official establishments and by providing for the supervision of additional establishments and of new departments which are being added to existing establishments.</p>																																																																																																																																																																																																																																																						
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Veterinary inspector in charge.....per annum..</td><td>\$4,000.00</td><td>1</td><td>1</td></tr><tr><td>Veterinary inspector.....do.....</td><td>3,500.00</td><td>1</td><td>1</td></tr><tr><td>Veterinary inspector.....do.....</td><td>3,420.00</td><td>1</td><td>1</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>3,000.00</td><td>3</td><td>2</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,760.00</td><td>4</td><td>4</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,750.00</td><td>4</td><td>3</td></tr><tr><td>Veterinary inspector.....do.....</td><td>2,670.00</td><td>1</td><td>1</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,640.00</td><td>4</td><td>1</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,520.00</td><td>5</td><td>3</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,500.00</td><td>7</td><td>5</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,460.00</td><td>5</td><td>5</td></tr><tr><td>Veterinary inspector.....do.....</td><td>2,280.00</td><td>1</td><td>1</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,250.00</td><td>11</td><td>11</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,220.00</td><td>7</td><td>6</td></tr><tr><td>Veterinary inspector.....do.....</td><td>2,160.00</td><td>1</td><td>...</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,040.00</td><td>14</td><td>10</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>2,000.00</td><td>23</td><td>28</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,980.00</td><td>21</td><td>18</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,920.00</td><td>3</td><td>3</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,900.00</td><td>36</td><td>41</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,800.00</td><td>226</td><td>184</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,620.00</td><td>106</td><td>99</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,600.00</td><td>62</td><td>76</td></tr><tr><td>Veterinary inspector.....do.....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Veterinary inspectors.....do.....</td><td>1,400.00</td><td>238</td><td>262</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,600.00</td><td>4</td><td>4</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,400.00</td><td>20</td><td>25</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,380.00</td><td>5</td><td>4</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,320.00</td><td>620</td><td>19</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,200.00</td><td>378</td><td>905</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,100.00</td><td>3</td><td>6</td></tr><tr><td>Lay inspectors, grade 2.....do.....</td><td>1,000.00</td><td>2</td><td>80</td></tr><tr><td>Lay inspector, grade 1.....do.....</td><td>1,140.00</td><td>1</td><td>1</td></tr><tr><td>Lay inspectors, grade 1.....do.....</td><td>1,100.00</td><td>7</td><td>12</td></tr><tr><td>Lay inspectors, grade 1.....do.....</td><td>1,000.00</td><td>325</td><td>256</td></tr><tr><td>Senior laboratory inspector.....do.....</td><td>2,700.00</td><td>1</td><td>1</td></tr><tr><td>Senior laboratory inspector.....do.....</td><td>2,340.00</td><td>1</td><td>1</td></tr><tr><td>Senior laboratory inspector.....do.....</td><td>2,280.00</td><td>1</td><td>1</td></tr><tr><td>Senior laboratory inspector.....do.....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Senior laboratory inspector.....do.....</td><td>1,980.00</td><td>1</td><td>1</td></tr><tr><td>Junior laboratory inspector.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Junior laboratory inspector.....do.....</td><td>1,620.00</td><td>1</td><td>1</td></tr><tr><td>Junior laboratory inspector.....do.....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Junior laboratory inspector.....do.....</td><td>1,440.00</td><td>...</td><td>1</td></tr><tr><td>Junior laboratory inspector.....do.....</td><td>1,380.00</td><td>1</td><td>...</td></tr><tr><td>Laboratory inspector.....do.....</td><td>2,220.00</td><td>1</td><td>1</td></tr><tr><td>Laboratory inspector.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Laboratory inspector.....do.....</td><td>1,980.00</td><td>1</td><td>1</td></tr><tr><td>Laboratory inspectors.....do.....</td><td>1,800.00</td><td>2</td><td>2</td></tr><tr><td>Laboratory inspector.....do.....</td><td>1,380.00</td><td>1</td><td>...</td></tr><tr><td>Laboratory inspectors.....do.....</td><td>1,200.00</td><td>3</td><td>4</td></tr><tr><td>Biochemist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>1,800.00</td><td>1</td><td>...</td></tr><tr><td>Assistant chemist.....do.....</td><td>1,740.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do.....</td><td>1,560.00</td><td>1</td><td>...</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,400.00</td><td>1</td><td>2</td></tr><tr><td>Senior bacteriologist.....do.....</td><td>2,220.00</td><td>1</td><td>1</td></tr><tr><td>Sanitary engineer.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td></td><td>2,250.00</td><td>1</td><td>1</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Veterinary inspector in charge.....per annum..	\$4,000.00	1	1	Veterinary inspector.....do.....	3,500.00	1	1	Veterinary inspector.....do.....	3,420.00	1	1	Veterinary inspectors.....do.....	3,000.00	3	2	Veterinary inspectors.....do.....	2,760.00	4	4	Veterinary inspectors.....do.....	2,750.00	4	3	Veterinary inspector.....do.....	2,670.00	1	1	Veterinary inspectors.....do.....	2,640.00	4	1	Veterinary inspectors.....do.....	2,520.00	5	3	Veterinary inspectors.....do.....	2,500.00	7	5	Veterinary inspectors.....do.....	2,460.00	5	5	Veterinary inspector.....do.....	2,280.00	1	1	Veterinary inspectors.....do.....	2,250.00	11	11	Veterinary inspectors.....do.....	2,220.00	7	6	Veterinary inspector.....do.....	2,160.00	1	...	Veterinary inspectors.....do.....	2,040.00	14	10	Veterinary inspectors.....do.....	2,000.00	23	28	Veterinary inspectors.....do.....	1,980.00	21	18	Veterinary inspectors.....do.....	1,920.00	3	3	Veterinary inspectors.....do.....	1,900.00	36	41	Veterinary inspectors.....do.....	1,800.00	226	184	Veterinary inspectors.....do.....	1,620.00	106	99	Veterinary inspectors.....do.....	1,600.00	62	76	Veterinary inspector.....do.....	1,500.00	1	1	Veterinary inspectors.....do.....	1,400.00	238	262	Lay inspectors, grade 2.....do.....	1,600.00	4	4	Lay inspectors, grade 2.....do.....	1,400.00	20	25	Lay inspectors, grade 2.....do.....	1,380.00	5	4	Lay inspectors, grade 2.....do.....	1,320.00	620	19	Lay inspectors, grade 2.....do.....	1,200.00	378	905	Lay inspectors, grade 2.....do.....	1,100.00	3	6	Lay inspectors, grade 2.....do.....	1,000.00	2	80	Lay inspector, grade 1.....do.....	1,140.00	1	1	Lay inspectors, grade 1.....do.....	1,100.00	7	12	Lay inspectors, grade 1.....do.....	1,000.00	325	256	Senior laboratory inspector.....do.....	2,700.00	1	1	Senior laboratory inspector.....do.....	2,340.00	1	1	Senior laboratory inspector.....do.....	2,280.00	1	1	Senior laboratory inspector.....do.....	2,100.00	1	1	Senior laboratory inspector.....do.....	1,980.00	1	1	Junior laboratory inspector.....do.....	1,800.00	1	1	Junior laboratory inspector.....do.....	1,620.00	1	1	Junior laboratory inspector.....do.....	1,500.00	1	1	Junior laboratory inspector.....do.....	1,440.00	...	1	Junior laboratory inspector.....do.....	1,380.00	1	...	Laboratory inspector.....do.....	2,220.00	1	1	Laboratory inspector.....do.....	2,040.00	1	1	Laboratory inspector.....do.....	1,980.00	1	1	Laboratory inspectors.....do.....	1,800.00	2	2	Laboratory inspector.....do.....	1,380.00	1	...	Laboratory inspectors.....do.....	1,200.00	3	4	Biochemist.....do.....	2,040.00	1	1	Biochemist.....do.....	1,800.00	1	...	Assistant chemist.....do.....	1,740.00	1	1	Assistant chemist.....do.....	1,560.00	1	...	Assistant chemists.....do.....	1,400.00	1	2	Senior bacteriologist.....do.....	2,220.00	1	1	Sanitary engineer.....do.....	2,040.00	1	1		2,250.00	1	1		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																																																																																																																																																																																			
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Meat Inspection, Bureau of Animal Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries—Continued.		Number.	Number.		
Laboratory helper, clerks, and charwomen, \$1,020 to \$240*..... per annum.....		...	22		
Clerk**..... do.....	\$1,600.00	...	1		
Clerk**..... do.....	1,200.00	...	1		
Clerk**..... do.....	1,000.00	...	1		
Lay inspectors, grade 1, and assistant microscopists, \$960 to \$600..... per annum.....		508	440		
Wages:					
Laborers*..... do.....	480.00	...	2		
Salaries.....		\$3,464,360.00	\$3,225,582.92		
Wages.....			960.00		
Other objects of expenditure:					
Stationery.....		5,000.00	4,860.15		
Traveling expenses.....		37,000.00	36,321.81		
Equipment and material.....		12,000.00	11,385.23		
Telephone and telegraph service.....		6,000.00	5,417.21		
Miscellaneous items.....		51,000.00	50,787.20		
Total.....		3,575,360.00	3,335,314.52		
*Transferred to statutory roll in Agricultural act for 1917.					
**Transferred to statutory roll in estimates for 1915.					
Appropriation for 1914.....	\$200,000	Estimates for 1914.....	\$300,000		
Appropriation for 1915.....	375,000	Estimates for 1915.....	300,000		
Appropriation for 1916.....	375,000	Estimates for 1916.....	375,000		
Appropriation for 1917.....	344,500	Estimates for 1917.....	344,500		
Appropriation for 1918.....		Estimates for 1918.....	575,360		
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>					
GENERAL EXPENSES, BUREAU OF ANIMAL INDUSTRY.					
3 clerks, at \$1,600 per annum each.					
1 clerk, \$1,400 per annum.					
5 clerks, at \$1,000 per annum each.					
21 clerks, at \$900 per annum each.					
MEAT INSPECTION.					
1 clerk, at \$1,600 per annum.					
2 clerks, at \$1,000 per annum each.					
9 clerks, at \$900 per annum each.					
Total for Bureau of Animal Industry.....				\$3,610,666.00	\$3,020,746.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
BUREAU OF PLANT INDUSTRY.		
<i>Salaries, Bureau of Plant Industry—</i>		
(1) One physiologist and pathologist, who shall be chief of bureau (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Apr. 23, 1904</i> , vol. 33, p. 281, sec. 1, and <i>Aug. 11, 1916</i> , pp. 451, 452, sec. 1) -----	\$5, 000. 00	
(2) One chief clerk (<i>same acts</i>) -----	3, 000. 00	
(3) One executive assistant in seed distribution (<i>same acts</i>) -----	2, 500. 00	
(4) One officer in charge of publications (<i>same acts</i>) -----	2, 250. 00	
(5) One landscape gardener (<i>same acts</i>) -----	1, 800. 00	
(6) One officer in charge of records (<i>same acts</i>) -----	2, 250. 00	
(7) One superintendent of seed weighing and mailing (<i>same acts</i>) -----	2, 000. 00	
(8) Two executive clerks, at \$1,980 each (<i>same acts</i>) -----	3, 960. 00	
(9) 【One assistant superintendent of seed warehouse, \$1,400, changed to one clerk, class 2.】		
NOTE.—The duties performed by this employee are entirely clerical in character; hence the proposed change in designation. See item 18.		
(10) One seed inspector (<i>same acts</i>) -----	1, 000. 00	
(11) One seed warehouseman (<i>same acts</i>) -----	1, 400. 00	
【One seed warehouseman, \$1,020, changed to one clerk, \$1,020.】		
NOTE.—The duties of this position are clerical in character; hence the change in title. See item 22.		
(13) One seed warehouseman (<i>same acts</i>) -----	1, 000. 00	
(14) One seed warehouseman (<i>same acts</i>) -----	840. 00	
(15) Seven clerks, class 4 (increase of 1 in lieu of 1 clerk, class 3, with increase of \$200) (<i>same acts</i>) -----	12, 600. 00	
NOTE.—This change is recommended in order to provide an increase of \$200 in the salary of the stenographer to the chief of bureau. This employee performs very responsible duties, has served six years in the department and has had no promotion since August 16, 1913.		
(16) Twelve clerks, class 3 (decrease of 2, 1 by change to 1 clerk of class 4, and 1 by transfer to statutory roll Bureau of Markets; and increase of 2 in lieu of 3 clerks at \$840 each and 1 clerk at \$720, with decrease of \$40, making no change in number of places) (<i>same acts</i>) -----	19, 200. 00	
NOTE.—This change involves the transfer of 1 clerk at \$1,600 to the statutory roll of the Bureau of Markets, incident to the transfer of the grain-standardization investigations to that bureau. It is also proposed to substitute 2 clerks, class 3, for 3 clerks at \$840 each and 1 clerk at \$720. Increasing difficulty is being experienced in securing and retaining competent clerks at salaries as low as \$720 and \$840. If this readjustment is approved, it will be possible to promote 12 deserving employees in the lower grades, to drop 2 places, and to effect a net saving of \$40.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
(17) Three clerks, at \$1,500 each (<i>R. S., p. 87, secs. 520-523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1, and Aug. 11, 1916, vol. 39, pp. 451, 452, sec. 1</i>) -----	\$4, 500. 00	
(18) Twenty-one clerks, class 2 (increase of 1 in lieu of 1 assistant superintendent of seed warehouse, at \$1,400) (<i>same acts</i>) -----	29, 400. 00	
NOTE.—See note under item 9.		
(19) Forty-six clerks, class 1 (increase of 1 by transfer from lump fund for pomological investigations, and decrease of 2 by transfer to statutory roll, Bureau of Markets, making a net decrease of 1) (<i>same acts</i>) -----	55, 200. 00	
(20) One clerk or draftsman (<i>same acts</i>) -----	1, 200. 00	
(21) One clerk (<i>same acts</i>) -----	1, 080. 00	
(22) Seven clerks, at \$1,020 each (increase of 1 in lieu of 1 seed warehouseman at \$1,020, and decrease of 2 by transfer to statutory roll, Bureau of Markets, making a net decrease of 1) (<i>same acts</i>) -	7, 140. 00	
NOTE.—The change in designation of one seed warehouseman to clerk is explained in the note under item 12. Two clerks, at \$1,020 each, are transferred to the statutory roll of the Bureau of Markets incident to the transfer of the grain-standardization investigations to that bureau.		
(23) Twenty-one clerks, at \$1,000 each (increase of 1 by transfer from lump fund for pomological investigations, and decrease of 3 by transfer to statutory roll, Bureau of Markets, making a net decrease of 2) (<i>same acts</i>) -----	21, 000. 00	
(24) Forty-four clerks, at \$900 each (increase of 3 by transfer from lump funds for forest pathology, economic and systematic botany, and forage-crop investigations, and decrease of 4 by transfer to statutory roll, Bureau of Markets, making a net decrease of 1) (<i>same acts</i>) -----	39, 600. 00	
(25) One clerk or draftsman (<i>same acts</i>) -----	900. 00	
(26) Seventeen clerks, at \$840 each (increase of 2 by transfer from lump funds for horticultural investigations and forage-crop investigations, and decrease of 4, 3, with 1 clerk at \$720, changed to 2 clerks of class 3, and 1 by transfer to statutory roll, Bureau of Markets, making a net decrease of 2) (<i>same acts</i>) -	14, 280. 00	
NOTE.—See note under item 16 relative to the substitution of two places at \$1,600 for three at \$840 and one at \$720. In addition one \$840 place has been transferred to the statutory roll of the Bureau of Markets, incident to the transfer of the item for grain-standardization investigations.		
(27) ■ Two clerks, at \$720 each, omitted, 1 transferred to statutory roll, Secretary's office, and 1 combined with 3 clerks at \$840 each and changed to 2 clerks of class 3. ■		
NOTE.—See note under item 16 relative to the substitution of two places at \$1,600 for three at \$840 and one at \$720. In addition, one place at \$720 has been transferred to the statutory roll of the Secretary's office.		
(28) One laborer (<i>same acts</i>) -----	780. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
(29) Forty-one messengers or laborers, at \$720 each (<i>R. S., p. 87, secs. 520-523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1, and Aug. 11, 1916, vol. 39, pp. 451, 452, sec. 1</i>)-----	\$29,520.00	
(30) Eleven messengers, messenger boys, or laborers, at \$660 each (<i>same acts</i>)-----	7,260.00	
(31) Twenty-eight messengers, messenger boys, or laborers, at \$600 each (increase of 2 by transfer from lump funds for bacteriology and nutrition, and Arlington Farm) (<i>same acts</i>)-----	16,800.00	
(32) One artist (<i>same acts</i>)-----	1,620.00	
(33) One clerk or artist (<i>same acts</i>)-----	1,400.00	
(34) Two clerks or artists, at \$1,200 each (<i>same acts</i>)-----	2,400.00	
(35) One photographer (increase of \$200) (<i>same acts</i>)-----	1,400.00	
NOTE.—This employee performs important work in connection with the photographing of new plants, fruits, and vegetables introduced from foreign countries. He has served over 11 years but has had no promotion since July 1, 1913.		
(36) One photographer (<i>same acts</i>)-----	840.00	
(37) Two laboratory aids, at \$1,440 each (increase of 1 by transfer from lump fund for soil fertility investigations) (<i>same acts</i>)---	2,880.00	
(38) One laboratory aid (<i>same acts</i>)-----	1,380.00	
(39) Four laboratory aids or clerks, at \$1,200 each (increase of 1 by transfer from lump fund for cotton and truck diseases) (<i>same acts</i>)-----	4,800.00	
(40) One laboratory aid, clerk, or skilled laborer (<i>same acts</i>)-----	1,080.00	
(41) Two laboratory aids, clerks, or skilled laborers, at \$1,020 each (<i>same acts</i>)-----	2,040.00	
(42) Three laboratory aids, at \$960 each (<i>same acts</i>)-----	2,880.00	
(43) One laboratory aid (<i>same acts</i>)-----	900.00	
(44) Four laboratory aids, at \$840 each (decrease of 1 by transfer to statutory roll, Bureau of Markets) (<i>same acts</i>)-----	3,360.00	
(45) Seven laboratory aids, at \$720 each (increase of 1 by transfer from lump fund for bacteriology and nutrition) (<i>same acts</i>)---	5,040.00	
(46) One laboratory apprentice (<i>same acts</i>)-----	720.00	
(47) One map tracer (<i>same acts</i>)-----	600.00	
(48) Two gardeners, at \$1,440 each (<i>same acts</i>)-----	2,880.00	
(49) Four gardeners, at \$1,200 each (<i>same acts</i>)-----	4,800.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
(50) Eight gardeners, at \$1,100 each (<i>R. S., p. 87, secs. 520-523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1, and Aug. 11, 1916, vol. 39, pp. 451, 452, sec. 1</i>) -----	\$8, 800. 00	
(51) Ten gardeners, at \$1,000 each (in lieu of 10 gardeners at \$900 each, with increase of \$100 each) (<i>same acts</i>) -----	10, 000. 00	
NOTE.—The changes in this and the two succeeding items are recommended with a view to the promotion of 10 gardeners from \$900 to \$1,000 and 16 from \$780 to \$900. These are all competent workmen, performing duties requiring special skill. It is believed that the readjustment in the salaries of the gardeners is fully justified.		
(52) Twenty-one gardeners, at \$900 each (decrease of 10 by change to 10 gardeners at \$1,000 each, and increase of 16 in lieu of 16 gardeners at \$780 each, with increase of \$120 each, making a net increase of 6) (<i>same acts</i>) -----	18, 900. 00	
NOTE.—See note under item 51.		
(53) Three gardeners, at \$780 each (decrease of 16 by change to 16 gardeners, at \$900 each) (<i>same acts</i>) -----	2, 340. 00	
NOTE.—See note under item 51.		
(54) One skilled laborer (<i>same acts</i>) -----	960. 00	
(55) Two skilled laborers, at \$900 each (<i>same acts</i>) -----	1, 800. 00	
(56) Three skilled laborers, at \$840 each (<i>same acts</i>) -----	2, 520. 00	
(57) One assistant in technology (<i>same acts</i>) -----	1, 400. 00	
(58) One assistant in technology (<i>same acts</i>) -----	1, 380. 00	
(59) One mechanician (<i>same acts</i>) -----	1, 080. 00	
(60) One mechanical assistant (<i>same acts</i>) -----	1, 200. 00	
(61) One blacksmith (<i>same acts</i>) -----	900. 00	
(62) One carpenter (<i>same acts</i>) -----	900. 00	
(63) One painter (<i>same acts</i>) -----	900. 00	
(64) One teamster (<i>same acts</i>) -----	840. 00	
(65) One teamster (<i>same acts</i>) -----	600. 00	
(66) Twenty-one laborers, at \$540 each (<i>same acts</i>) -----	11, 340. 00	
(67) Twenty-nine laborers, messengers, or messenger boys, at \$480 each (increase of 5, 1 by transfer from lump fund for crop physiology, 2 from bacteriology and nutrition, 1 from sugar-beet investigations, and 1 from purchase and distribution of valuable seeds) (<i>same acts</i>) -----	13, 920. 00	
(68) Three laborers or charwomen, at \$480 each (increase of 1 by transfer from lump fund for purchase and distribution of valuable seeds) (<i>same acts</i>) -----	1, 440. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
(69) Three laborers or messenger boys, at \$420 each (increase of 1 by transfer from lump fund for bacteriology and nutrition) (<i>R. S.</i> , p. 87, secs. 520, 523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1, and Aug. 11, 1916, vol. 39, pp. 451, 452, sec. 1)	\$1,260.00	
(70) Twenty charwomen, at \$240 each (<i>same acts</i>)	4,800.00	
(71) Fifteen messenger boys, at \$360 each (increase of 4 by transfer from lump funds for forest pathology, pomological investigations, foreign seed and plant introduction, and purchase and distribution of valuable seeds) (<i>same acts</i>)	5,400.00	
(72) Five messenger boys, at \$300 each (increase of 1 by transfer from lump fund for pomological investigations) (<i>same acts</i>)	1,500.00	
	\$422,660.00	\$418,240.00
Appropriations for 1908..... \$189,450 Estimates for 1909..... \$187,410		
Appropriations for 1909..... 187,410 Estimates for 1910..... 189,950		
Appropriations for 1910..... 210,510 Estimates for 1911..... 255,270		
Appropriations for 1911..... 255,270 Estimates for 1912..... 330,320		
Appropriations for 1912..... 330,470 Estimates for 1913..... 374,790		
Appropriations for 1913..... 379,820 Estimates for 1914..... 424,380		
Appropriations for 1914..... 427,690 Estimates for 1915..... 476,520		
Appropriations for 1915..... 478,170 Estimates for 1916..... 429,430		
Appropriations for 1916..... 424,150 Estimates for 1917..... 418,240		
Appropriations for 1917..... 418,240 Estimates for 1918..... 422,660		
NOTE.—Apparent increase, \$4,420; actual decrease, \$11,760, as follows:		
<i>Promotions.</i>		
1 clerk, class 3, to 1 clerk, class 4..... \$200		
1 photographer, from \$1,200 to \$1,400..... 200		
10 gardeners, from \$900 each to \$1,000 each..... 1,000		
16 gardeners, from \$780 each, to \$900 each..... 1,920		
	\$3,320	
<i>New places.</i>		
2 clerks, class 3..... 3,200		
	\$6,520	
<i>Places dropped.</i>		
3 clerks, at \$840 each..... 2,520		
1 clerk..... 720		
	3,240	
<i>Transfers to other bureaus.</i>		
1 clerk, class 3, to statutory roll, Bureau of Markets..... 1,600		
2 clerks, class 1, to statutory roll, Bureau of Markets..... 2,400		
2 clerks, at \$1,020 each, to statutory roll, Bureau of Markets..... 2,040		
3 clerks, at \$1,000 each, to statutory roll, Bureau of Markets..... 3,000		
4 clerks, at \$900 each, to statutory roll, Bureau of Markets..... 3,600		
1 clerk, to statutory roll, Bureau of Markets..... 840		
1 clerk to statutory roll, Office of the Secretary..... 720		
1 laboratory aid, to statutory roll, Bureau of Markets..... 840		
	15,040	
	18,280	
Actual decrease..... 11,760		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 clerk, class 1, from pomological investigations..... \$1, 200 1 clerk, from pomological investigations..... 1, 000 3 clerks, at \$900 each, from forest pathology, economic and systematic botany, and forage crop investigations..... 2, 700 2 clerks, at \$840 each, from horticultural investigations and forage crop investigations..... 1, 680 2 messengers, messenger boys, or laborers, at \$600 each, from bacteriology and nutrition, and Arlington Farm..... 1, 200 1 laboratory aid, from soil fertility investigations..... 1, 440 1 laboratory aid or clerk, from cotton and truck diseases..... 1, 200 1 laboratory aid, from bacteriology and nutrition..... 720 5 laborers, messengers, or messenger boys, at \$480 each, 1 from crop physiology, 2 from bacteriology and nutrition, 1 from sugar-beet investigations, and 1 from purchase and distribution of valuable seeds..... 2, 400 1 laborer or charwoman, from purchase and distribution of valuable seeds..... 480 1 laborer or messenger boy, from bacteriology and nutrition... 420 4 messenger boys, at \$360 each, from forest pathology, pomological investigations, foreign seed and plant introduction, and purchase and distribution of valuable seeds..... 1, 440 1 messenger boy, from pomological investigations..... 300 <div style="text-align: right;">\$16, 180</div>		
Apparent increase..... 4, 420		
<i>Change of title.</i>		
1 clerk, class 2, in lieu of 1 assistant superintendent of seed warehouse, \$1,400. 1 clerk, \$1,020, in lieu of 1 seed warehouseman, \$1,020.		
<i>General Expenses, Bureau of Plant Industry—</i>		
(73) For all necessary expenses in the investigation of fruits, fruit trees, grain, cotton, tobacco, vegetables, grasses, forage, drug, medicinal, poisonous, fiber, and other plants and plant industries, in cooperation with other branches of the department, the State experiment stations, and practical farmers, and for the erection of necessary farm buildings: <i>Provided</i> , That the cost of any building erected shall not exceed \$1,500; for field and station expenses, including fences, drains, and other farm improvements; for repairs in the District of Columbia and elsewhere; for rent outside of the District of Columbia: and for the employment of all investigators, local and special agents, agricultural explorers, experts, clerks, illustrators, assistants, and all labor and other necessary expenses in the city of Washington and elsewhere required for the investigations, experiments, and demonstrations herein authorized, as follows (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1</i>):		
(74) For investigations of plant diseases and pathological collections, including the maintenance of a plant-disease survey ["\$38,500"] (<i>same acts</i>).....	\$62, 500. 00	
NOTE.—There is an increase in this item of \$24,000, which it is proposed to expend as follows: Six thousand dollars for extending investigations upon the control of root rot and similar tobacco diseases in Florida and Georgia. During the past few years the annual loss in these tobacco regions through diseases has amounted to more than a quarter of a million dollars. The investigations incidental to those on Granville wilt have been under way during the past 18 months, and apparently satisfactory control measures have been developed. It is believed to be desirable to test these methods in a practical way.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
<p>Five thousand dollars for investigating a widespread bacterial disease of sweet corn known as "Stewart's disease," which causes serious losses to growers. The disease is transmitted on the seed, and it appears that it can be controlled, at least partially, by seed treatment. It has been discovered that it is extending to field corn. Extensive observations are contemplated in the corn belt to determine the distribution of the disease and the extent of injury to field corn, and extensive laboratory and field experiments should be undertaken to determine the best methods for insuring the use of healthy seed for planting.</p> <p>Three thousand dollars for investigating a new bacterial disease of wheat found in Kansas during the past year. Reports indicate that this disease has done very serious injury to wheat fields over a considerable area. Practically no technical work has as yet been inaugurated upon this disease, particularly regarding the manner of its distribution, the conditions under which it may become serious, and means of combatting it. It is feared that the wheat kernel may become infected with the disease, thus insuring its rapid spread. An inauguration of laboratory and greenhouse tests and field observations of the extent of the disease is believed to be important.</p> <p>Ten thousand dollars for the proper organization and maintenance of a plant-disease survey. New language authorizing this work has been added to the paragraph. Prompt information as to the appearance of destructive plant diseases and determination of the extent of injury is essential both to the intelligent establishment of quarantines and to the application of control measures. The work as now carried on in cooperation with State stations is not sufficiently complete or effective. Its adequate prosecution will necessitate the employment of 2 specialists and 50 collaborators (1 in each State), with provision for their expenses for which \$5,000 is estimated; also the conduct of special surveys in connection with the distribution of special diseases and disease epidemics, including travel and incidental expenses, for which \$5,000 more will be needed. With the establishment of an adequate plant-disease survey, furthermore, it would be possible to maintain a supply of type specimens of important plant diseases for study and comparison by specialists throughout the country.</p>		

¹ This construction work consisted of one lean-to addition to the banana house on the department grounds, Washington, D. C., containing 9,625 cubic feet, at 10 cents per cubic foot.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1917.

General Expenses, Bureau of Plant Industry—Continued.

- (75) For the investigation of diseases of orchard and other fruits **[\$63,615]** (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1*) ----- \$71,415.00

NOTE.—There is an increase in the above item of \$7,800, which it is proposed to use as follows:

Four thousand dollars for the investigation of the cause of cranberry rot, especially during storage and transit. From preliminary studies of this problem it is believed that methods can be developed for practically eliminating the present serious losses to producers of cranberries. The cranberry associations of the United States recently have urged the department to investigate these problems.

Three thousand eight hundred dollars for enlarging field investigations to develop methods for the control of fruit rots and spots, including bitter-pit and the Jonathan spot, and also to extend the prune and cherry disease work in the Pacific Northwest.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Pathologist in charge.....per annum..	\$3,750.00	1	1
Pathologist.....do.....	3,500.00	1	..
Pathologist.....do.....	3,240.00	1	1
Pathologists.....do.....	3,000.00	1	2
Pathologists.....do.....	2,520.00	2	3
Pathologist.....do.....	2,280.00	1	..
Pathologist.....do.....	2,040.00	1	1
Pathologists.....do.....	1,800.00	3	4
Scientific assistants.....do.....	1,800.00	3	1 (9 mos.)
Scientific assistants.....do.....	1,620.00	3	3
Scientific assistants.....do.....	1,440.00	5	2
Scientific assistants.....do.....	1,200.00	4	4 (1 for 4 mos.)
Assistants, clerk and collaborator, \$100 to \$25.....per month.....		4 (temp.)	2 (temp.)
Wages:			
Temporary laborers.....\$40 to \$25.....do.....		..	3
.....\$4 to \$1.75.....per diem.....		4	2
Salaries.....		\$53,374.00	\$37,977.25
Wages.....		936.00	366.00
Other objects of expenditure:			
Traveling expenses.....		6,500.00	7,563.93
Equipment and material.....		5,300.00	3,205.12
Miscellaneous items.....		5,305.00	6,144.14
Total.....		71,415.00	55,256.44

- (76) For conducting such investigations of the nature and means of communication of the disease of citrus trees known as citrus canker, and by applying such methods of eradication or control of the disease as in the judgment of the Secretary of Agriculture may be necessary, \$250,000; and the Secretary of Agriculture is authorized to pay such expense and employ such persons and means, in the city of Washington and elsewhere, and to cooperate with such authorities of the States concerned, organizations of growers, or individuals as he may deem necessary to accomplish such purposes: *Provided*, That no part of the money herein appropriated shall be used to pay the cost or value of trees or other property injured or destroyed **[:** *Provided further*, That the unexpended balance of the appropriation of \$300,000 for the emergency caused by the infectious nature and continued spread of the destructive disease of citrus trees known as citrus canker, made in the further urgent deficiency Act approved February twenty-eighth, nineteen hundred and sixteen, is hereby reappropriated and made available for the fiscal year nineteen hundred and seventeen **]** (same acts) ----- 250,000.00

NOTE.—There is no change in the amount of this item. It is proposed to amend the language by omitting the proviso relative to the unexpended balance of the appropriation of \$300,000 carried in the urgent deficiency act of February 28, 1916, as the entire amount will be expended during the current fiscal year.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Pathologist.....per annum.....	\$2,760.00	1	1 (6 mos.)		
Agent.....per month.....	225.00	1 (temp.)	1 (temp.)		
Agents.....do.....	220.00	1 (temp.)	2 (temp.)		
Agents.....do.....	195.00	2 (temp.)	4 (temp.)		
Agents.....do.....	180.00	2 (temp.)	3 (temp.)		
Agents.....do.....	175.00	3 (temp.)	5 (temp.)		
Agents.....do.....	170.00	2 (temp.)	2 (temp.)		
Agent.....do.....	160.00	1 (temp.)	1 (temp.)		
Agents.....do.....	150.00	4 (temp.)	8 (temp.)		
Agents.....do.....	145.00	2 (temp.)	3 (temp.)		
Agents.....do.....	135.00	1 (temp.)	2 (temp.)		
Agents.....do.....	133.33	1 (temp.)	2 (temp.)		
Agents.....do.....	125.00	8 (temp.)	17 (temp.)		
Agents.....do.....	120.00	1 (temp.)	2 (temp.)		
Agent.....do.....	115.00	1 (temp.)	1 (temp.)		
Agents.....do.....	110.00	1 (temp.)	2 (temp.)		
Agents.....do.....	100.00	13 (temp.)	27 (temp.)		
Agent.....do.....	95.00	1 (temp.)	1 (temp.)		
Agents.....do.....	90.00	3 (temp.)	6 (temp.)		
Agents.....do.....	85.00	1 (temp.)	2 (temp.)		
Agent.....do.....	83.33	1 (temp.)	1 (temp.)		
Clerks, agents, and col- laborators.....\$10.50 to \$2.....per diem.....		190 (temp.)	369 (temp.)		
Wages:					
Temporary laborers.....per month.....	25.00	1	173		
.....per diem.....	2.00	1	173		
Salaries.....		\$241,720.00	\$98,213.25		
Wages.....		150.00	5,363.00		
Other objects of expenditure:					
Traveling expenses.....		3,758.00	23,170.00		
Equipment and material.....			1,782.01		
Miscellaneous items.....		4,372.00	26,840.93		
Total.....		250,000.00	155,369.19		

- (77) For the investigation of diseases of forest and ornamental trees and shrubs, including a study of the nature and habits of the parasitic fungi causing the chestnut-tree bark disease, the white-pine blister rust, and other epidemic tree diseases, for the purpose of discovering new methods of control and applying methods of eradication or control already discovered **[\$87,175] \$85,915** **[:Provided, That the unexpended balance of the appropriation of \$20,000 for the emergency caused by the infectious nature and continued spread of the destructive disease of pine trees known as the white-pine blister rust, by conducting such investigations of the nature and means of communication of the disease, and by applying such methods of eradication or control of the disease as in the judgment of the Secretary of Agriculture may be necessary, made in the further urgent deficiency act approved February twenty-eighth, nineteen hundred and sixteen, is hereby reappropriated and made available for the same purposes for the fiscal year nineteen hundred and seventeen]** (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1) \$85,915.00

NOTE.—There is an apparent decrease of \$1,260 in this item, due to transfers to the statutory roll. It is proposed to omit the proviso in this paragraph relative to the unexpended balance of the appropriation of \$20,000 carried in the urgent deficiency act of February 28, 1916, as the entire amount will be expended during the current fiscal year.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
General Expenses, Bureau of Plant Industry—Continued.			
Forest pathology.			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Pathologist.....per annum..	\$3,240.00	1	1
Pathologist.....do.....	3,000.00	1	1
Pathologists.....do.....	2,760.00	3	4 (1 for 9½ mos.)
Pathologist.....do.....	2,520.00	1	1
Pathologist.....do.....	2,500.00	1	1
Pathologist.....do.....	2,400.00	1	1
Pathologist.....do.....	2,280.00	1	1
Pathologist.....do.....	2,100.00	1	1
Pathologist.....do.....	2,040.00	1	2
Pathologists.....do.....	1,800.00	1	1
Pathologist.....do.....	1,620.00	1	1
Pathologist.....do.....	1,200.00	1	1 (10 mos.)
Forest inspector.....do.....	3,000.00	1	1
Physiologist.....do.....	2,040.00	1 (6 mos.)	1 (6 mos.)
Assistants in forest pathology.....do.....	1,800.00	2	1 (10 mos.)
Assistant in forest pathology.....do.....	1,620.00	1	1
Assistants in forest pathology.....do.....	1,440.00	4	1
Scientific assistants.....do.....	1,200.00	2	2
Scientific assistant.....do.....	1,020.00	1	1
Field assistant.....do.....	1,080.00	1	1 (temp.)
Agent.....do.....	2,040.00	1	1
Agent.....do.....	1,800.00	1	1
Agent.....do.....	1,440.00	1	1
Clerk *.....do.....	900.00	1	1
Messenger boy *.....do.....	360.00	1	1
Agents, clerks, field assistants, student assistants, and collaborators, \$960 to \$1, per annum.....		32 (17 temp.)	29 (22 temp.)
Wages:			
Miscellaneous and temporary labor.....\$25.....per month.....		2	7
.....\$3.50 to \$1, per diem.....		1	18
Salaries.....		\$60,696.00	\$35,227.46
Wages.....		300.00	1,837.00
Other objects of expenditure:			
Traveling expenses.....		16,828.36	9,275.83
Equipment and material.....		5,280.75	2,294.37
Miscellaneous items.....		2,809.89	7,893.21
Total.....		85,915.00	56,527.87
*Transferred to statutory roll in estimates for 1918.			
Eradicating white-pine blister rust.			
Employees.	Rate.	Estimated, 1918.*	Expended, 1916.
Salaries:		Number.	Number.
Pathologist in charge.....per annum..	\$3,240.00	1	1 (½ mo.).
Pathologist.....do.....	2,760.00	1	1 (3 mos.).
Pathologist.....do.....	1,200.00	1	1 (2 mos.).
Forest inspector.....do.....	3,000.00	1	1
Forest assistant.....do.....	1,800.00	1	1 (2 mos.)
Scientific assistant.....do.....	1,440.00	1	1
Scientific assistant.....do.....	1,200.00	1	1
Agent.....per month.....	175.00	1	1
Agent.....do.....	170.00	1	1
Agent.....do.....	150.00	1	1
Agent.....do.....	135.00	1	1
Agents.....do.....	125.00	3	3
Agent.....do.....	120.00	1	1 (3 mos.)
Agent.....do.....	110.00	1	1
Agent.....do.....	108.00	1	1
Agents.....do.....	100.00	12 (1 for 2 mos.)	(1 for 1 mo.)
Agents.....do.....	85.00	5	5
Agents and collaborators, \$75 to \$1, per month.....		22 (2 temp.)	1
.....\$1.....per annum.....		1	1
Salaries.....			\$7,991.89
Other objects of expenditure:			
Traveling expenses.....			4,304.86
Equipment and material.....			1,259.47
Miscellaneous items.....			3,461.67
Total.....			17,017.89
*No specific estimate for fiscal year 1918, as this project has been merged with forest pathology.			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																										
General Expenses, Bureau of Plant Industry—Continued.																																																																																																																																																												
(78) For the investigation of diseases of cotton, potatoes, truck crops, forage crops, drug and related plants ["\$59,000"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1</i>) -----	\$82, 800. 00																																																																																																																																																											
<p>NOTE.—There is an apparent increase of \$23,800 in this item, but taking into consideration the transfer to the statutory roll of one laboratory aid or clerk at \$1,200, the actual increase is \$25,000, which it is proposed to use as follows:</p> <p>Five thousand dollars for thoroughly testing and perfecting methods of controlling fungous diseases of watermelon which cause very heavy losses both in the field and in transit; and to bring about general adoption of such methods by growers.</p> <p>Five thousand dollars for investigating tomato phoma rot, lettuce drop, and celery leaf blight, soft rot, and heart rot. These diseases are particularly troublesome in the southern trucking districts and therefore can be handled as a single problem. Serious losses are caused by these diseases, but preventative measures must await the inauguration of the proposed investigations.</p> <p>Five thousand dollars for inaugurating investigations upon tomato diseases in the trucking districts of Maryland, Delaware, and New Jersey, where wilt, blossom-end rot, mosaic, etc., are causing serious losses annually. It is proposed to conduct much of this work in cooperation with the State experiment stations.</p> <p>Three thousand dollars for the development of the truck-crop extension work in the North and West in cooperation with the States Relations Service similar to the advisory work already inaugurated in the Southern States, especially in connection with cotton diseases.</p> <p>Five thousand dollars for investigating various bean diseases and to promote the propagation and distribution of disease-free seed. Much of the work will be done in cooperation with the experiment stations of New York, Michigan, and other States. The total annual value of beans produced in the United States is approximately \$25,000,000, and it is not uncommon for the States to report a 10 to 20 per cent loss from anthracnose.</p> <p>Two thousand dollars for investigating alfalfa crown wart, alfalfa yellows, clover sickness, and the various root rots, leaf spots, and other diseases of forage plants.</p>																																																																																																																																																												
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended. 1916.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Pathologist in charge.....per annum..</td><td>\$3, 500.00</td><td><i>Number.</i> 1</td><td><i>Number.</i> 1</td></tr><tr><td>Pathologists.....do.....</td><td>{ 3, 000.00 2, 760.00</td><td rowspan="2">2</td><td rowspan="2">2 (1 for 6 mos.)</td></tr><tr><td>Pathologist.....do.....</td><td>2, 400.00</td></tr><tr><td>Pathologists.....do.....</td><td>2, 280.00</td><td>1</td><td>2</td></tr><tr><td>Pathologists.....do.....</td><td>2, 040.00</td><td>2</td><td></td></tr><tr><td>Pathologists.....do.....</td><td>2, 000.00</td><td>4</td><td>2 (1 temp.)</td></tr><tr><td>Pathologist.....do.....</td><td>1, 800.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>2, 520.00</td><td>1</td><td>1</td></tr><tr><td>Physiologists.....do.....</td><td>2, 400.00</td><td>2</td><td>1</td></tr><tr><td>Physiologist.....do.....</td><td>2, 280.00</td><td>1</td><td>1</td></tr><tr><td>Mycologist.....do.....</td><td>1, 800.00</td><td>1</td><td>1</td></tr><tr><td>Botanical artist.....do.....</td><td>1, 800.00</td><td>1</td><td>1 (3 mos.)</td></tr><tr><td>Scientific assistants.....do.....</td><td>1, 800.00</td><td>1</td><td>3</td></tr><tr><td>Scientific assistant.....do.....</td><td>1, 620.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1, 500.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1, 440.00</td><td>4</td><td>2</td></tr><tr><td>Scientific assistants.....do.....</td><td>1, 200.00</td><td>6 (4 temp.)</td><td>3 (temp.)</td></tr><tr><td>Expert.....per month..</td><td>150.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Agent.....per annum..</td><td>2, 400.00</td><td>1</td><td></td></tr><tr><td>Agent.....do.....</td><td>1, 320.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....per month..</td><td>125.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Agents.....do.....</td><td>120.00</td><td>2 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Laboratory aid*.....per annum..</td><td>1, 200.00</td><td></td><td>1</td></tr><tr><td>Agents, student assistant, collaborators, watchmen, laboratory aid, and clerks, \$900 to \$1, per annum.....</td><td></td><td>51 (2 temp.)</td><td>55 (8 temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Gardener.....per diem..</td><td>2.00</td><td></td><td>1</td></tr><tr><td>Miscellaneous and temporary labor—</td><td></td><td></td><td></td></tr><tr><td>\$55 and \$50.....per month..</td><td></td><td></td><td>2 (temp.)</td></tr><tr><td>\$5 to \$1.50.....per diem..</td><td></td><td></td><td>6 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$52, 750.00</td><td>\$37, 233.96</td></tr><tr><td>Wages.....</td><td></td><td></td><td>995.00</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Stationery.....</td><td></td><td>1, 810.00</td><td>630.69</td></tr><tr><td>Traveling expenses.....</td><td></td><td>13, 760.00</td><td>9, 629.21</td></tr><tr><td>Equipment and material.....</td><td></td><td>9, 450.00</td><td>2, 286.60</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>5, 030.00</td><td>3, 362.07</td></tr><tr><td>Total.....</td><td></td><td>82, 800.00</td><td>56, 137.53</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended. 1916.	Salaries:				Pathologist in charge.....per annum..	\$3, 500.00	<i>Number.</i> 1	<i>Number.</i> 1	Pathologists.....do.....	{ 3, 000.00 2, 760.00	2	2 (1 for 6 mos.)	Pathologist.....do.....	2, 400.00	Pathologists.....do.....	2, 280.00	1	2	Pathologists.....do.....	2, 040.00	2		Pathologists.....do.....	2, 000.00	4	2 (1 temp.)	Pathologist.....do.....	1, 800.00	1	1	Biochemist.....do.....	2, 520.00	1	1	Physiologists.....do.....	2, 400.00	2	1	Physiologist.....do.....	2, 280.00	1	1	Mycologist.....do.....	1, 800.00	1	1	Botanical artist.....do.....	1, 800.00	1	1 (3 mos.)	Scientific assistants.....do.....	1, 800.00	1	3	Scientific assistant.....do.....	1, 620.00	1	1	Scientific assistant.....do.....	1, 500.00	1	1	Scientific assistants.....do.....	1, 440.00	4	2	Scientific assistants.....do.....	1, 200.00	6 (4 temp.)	3 (temp.)	Expert.....per month..	150.00	1 (temp.)	1 (temp.)	Agent.....per annum..	2, 400.00	1		Agent.....do.....	1, 320.00	1	1	Agent.....per month..	125.00	1 (temp.)	1 (temp.)	Agents.....do.....	120.00	2 (temp.)	1 (temp.)	Laboratory aid*.....per annum..	1, 200.00		1	Agents, student assistant, collaborators, watchmen, laboratory aid, and clerks, \$900 to \$1, per annum.....		51 (2 temp.)	55 (8 temp.)	Wages:				Gardener.....per diem..	2.00		1	Miscellaneous and temporary labor—				\$55 and \$50.....per month..			2 (temp.)	\$5 to \$1.50.....per diem..			6 (temp.)	Salaries.....		\$52, 750.00	\$37, 233.96	Wages.....			995.00	Other objects of expenditure:				Stationery.....		1, 810.00	630.69	Traveling expenses.....		13, 760.00	9, 629.21	Equipment and material.....		9, 450.00	2, 286.60	Miscellaneous items.....		5, 030.00	3, 362.07	Total.....		82, 800.00	56, 137.53		
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* Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																												
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																																														
(79) For investigating the physiology of crop plants and for testing and breeding varieties thereof ["\$49,540"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1</i>)----- \$54,060.00																																																																																																														
NOTE.—There is an apparent increase in this item of \$4,520, but taking into consideration the transfer to the statutory roll of 1 laborer, at \$480, the actual increase is \$5,000. This increase is desired in order to utilize to the best advantage the facilities for agricultural experimentation available at Sacaton, Ariz., and at other Indian reservations in the Southwest, especially for breeding and testing new crop varieties, including Egyptian cotton. The successful establishment of Egyptian cotton culture in Arizona is due in large part to the work carried on by this bureau in cooperation with the Indian office at Sacaton, in the Pima Indian Reservation.																																																																																																														
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Miscellaneous tem- porary labor.....	\$1,000 to \$8 per annum.. \$5 to \$2 per diem.....	15 (2 temp.) 7 (temp.)	21 (6 temp.) 6 (temp.)																																																																																																											
Wages:																																																																																																														
Miscellaneous tem- porary labor.....	\$75 to \$25 per month.. \$5 to \$1 per diem.....	9 2	8 15																																																																																																											
Salaries.....		\$29,337.00	\$25,794.16																																																																																																											
Wages.....		3,488.00	2,765.00																																																																																																											
Other objects of expenditure:																																																																																																														
Stationery.....		2,300.00	1,192.79																																																																																																											
Traveling expenses.....		7,000.00	6,289.97																																																																																																											
Equipment and material.....		4,700.00	2,794.11																																																																																																											
Miscellaneous items.....		7,235.00	5,358.28																																																																																																											
Total.....		54,060.00	44,194.31																																																																																																											

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1917.

General Expenses, Bureau of Plant Industry—Continued.

- (80) For soil-bacteriology and plant-nutrition investigations, including the testing of samples, procured in the open market, of cultures for inoculating legumes, and if any such samples are found to be impure, nonviable, or misbranded, the results of the tests may be published, together with the names of the manufacturers and of the persons by whom the cultures were offered for sale **["\$42,000"]** (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1*) ----- \$39,300.00

NOTE.—There is an apparent decrease of \$2,700 in this item, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Physiologist in charge.....per annum..	\$2,760.00	1 (4 mos.).	1 (4 mos.).
Physiologist.....do.....	2,520.00	1	1
Physiologist.....do.....	2,280.00	1	..
Physiologists.....do.....	2,040.00	2	2
Physiologist.....do.....	1,620.00	1	1
Soil biologist.....do.....	3,000.00	1	1
Soil biologist.....do.....	2,750.00	1	1
Soil mycologist.....do.....	2,280.00	1	1
Soil mycologist.....do.....	2,040.00	1	1
Scientific assistants.....do.....	1,800.00	1	2
Scientific assistant.....do.....	1,620.00	1	1
Scientific assistant.....do.....	1,500.00	1	1
Assistant in tobacco investigations.....do.....	1,800.00	1	1
Laboratory aid *.....do.....	1,620.00	1	1
Laboratory aid *.....do.....	720.00	..	1
Messenger boy *.....do.....	420.00	..	1
Laboratory aids, clerks, and student assistants, \$900 to \$300.....per annum..		3 (temp.)	5 (temp.)
Wages:			
Temporary laborers (\$60 to \$25.....per month..		13	12
Temporary laborers (\$2 to \$1.50.....per diem..		1	11
Salaries.....		\$24,080.00	\$23,285.00
Wages.....		5,295.00	4,956.96
Other objects of expenditure:			
Stationery.....		800.00	827.56
Traveling expenses.....		1,560.00	1,605.39
Equipment and material.....		3,790.00	4,576.30
Miscellaneous items.....		3,775.00	6,705.87
Total.....		39,300.00	41,957.08

* Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																												
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																																														
81) For soil-fertility investigations into organic causes of infertility and remedial measures, maintenance of productivity, properties and composition of soil humus, and the transformation and formation of soil humus by soil organisms ["\$35,200"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1</i>) -----		\$36,260.00																																																																																																												
<p>NOTE.—There is an apparent increase of \$1,060 in this item, but, taking into consideration the transfer to the statutory roll of one laboratory aid at \$1,440, the actual increase is \$2,500. This increase is recommended for the purpose of studying the relation of soil conditions, and especially abnormal fertilizer influences brought about by the shortage of potash, to the development of diseases of potatoes in Maine and other potato-growing regions. It will be necessary to secure an additional assistant to undertake the study of this problem.</p>																																																																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="2">Salaries:</td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Biochemist in charge.....per annum..</td><td>\$3,750.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>3,000.00</td><td>..</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>2,500.00</td><td>..</td><td>1</td></tr><tr><td>Biochemists.....do.....</td><td>2,400.00</td><td>2</td><td>..</td></tr><tr><td>Biochemist.....do.....</td><td>2,280.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>2,220.00</td><td>..</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>1,920.00</td><td>1</td><td>1</td></tr><tr><td>Biochemist.....do.....</td><td>1,860.00</td><td>1</td><td>1</td></tr><tr><td>Biochemists.....do.....</td><td>1,800.00</td><td>1</td><td>2</td></tr><tr><td>Physiologist.....do.....</td><td>2,220.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,620.00</td><td>1</td><td>..</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,440.00</td><td>1</td><td>2</td></tr><tr><td>Laboratory aid *.....do.....</td><td>1,440.00</td><td>..</td><td>1</td></tr><tr><td>Clerks, and translator.....<div>per month..</div><div>per hour....</div></td><td><div>75.00</div><div>1.00</div></td><td><div>2 (temp.)</div><div>..</div></td><td><div>1 (temp.)</div><div>1 (temp.)</div></td></tr><tr><td colspan="2">Wages:</td><td></td><td></td></tr><tr><td>Miscellaneous and temporary labor.....<div>\$65.....per month..</div><div>\$4 to \$1.50...per diem..</div></td><td><div>..</div><div>..</div></td><td><div>..</div><div>..</div></td><td><div>1 (temp.)</div><div>5 (temp.)</div></td></tr><tr><td>Salaries.....</td><td></td><td>\$26,430.00</td><td>\$25,325.94</td></tr><tr><td>Wages.....</td><td></td><td></td><td>400.00</td></tr><tr><td colspan="2">Other objects of expenditure:</td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>2,990.00</td><td>983.10</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,625.00</td><td>3,633.62</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>3,215.00</td><td>2,327.27</td></tr><tr><td>Total.....</td><td></td><td>36,260.00</td><td>32,669.93</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Biochemist in charge.....per annum..	\$3,750.00	1	1	Biochemist.....do.....	3,000.00	..	1	Biochemist.....do.....	2,500.00	..	1	Biochemists.....do.....	2,400.00	2	..	Biochemist.....do.....	2,280.00	1	1	Biochemist.....do.....	2,220.00	..	1	Biochemist.....do.....	2,100.00	1	1	Biochemist.....do.....	2,040.00	1	1	Biochemist.....do.....	1,920.00	1	1	Biochemist.....do.....	1,860.00	1	1	Biochemists.....do.....	1,800.00	1	2	Physiologist.....do.....	2,220.00	1	1	Scientific assistant.....do.....	1,620.00	1	..	Scientific assistants.....do.....	1,440.00	1	2	Laboratory aid *.....do.....	1,440.00	..	1	Clerks, and translator..... <div>per month..</div> <div>per hour....</div>	<div>75.00</div> <div>1.00</div>	<div>2 (temp.)</div> <div>..</div>	<div>1 (temp.)</div> <div>1 (temp.)</div>	Wages:				Miscellaneous and temporary labor..... <div>\$65.....per month..</div> <div>\$4 to \$1.50...per diem..</div>	<div>..</div> <div>..</div>	<div>..</div> <div>..</div>	<div>1 (temp.)</div> <div>5 (temp.)</div>	Salaries.....		\$26,430.00	\$25,325.94	Wages.....			400.00	Other objects of expenditure:				Traveling expenses.....		2,990.00	983.10	Equipment and material.....		3,625.00	3,633.62	Miscellaneous items.....		3,215.00	2,327.27	Total.....		36,260.00	32,669.93		
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* Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																				
General Expenses, Bureau of Plant Industry—Continued.																																																																																																																																																						
(82) For acclimatization and adaptation investigations of cotton, corn, and other crops introduced from tropical regions, and for the improvement of cotton and other fiber plants by cultural methods, breeding, and selection ["\$42,580"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452-455, sec. 1</i>) --	\$75, 010. 00																																																																																																																																																					
<p>NOTE.—There is an apparent increase in this item of \$32,430, but, as it is proposed to transfer to this paragraph the fiber-plant investigations now carried under the item for "crop technology and fiber-plant investigations," and to reduce the latter item by \$7,430 (the amount now allotted to the fiber-plant work), the actual increase for crop acclimatization is \$25,000.</p> <p>The language of the paragraph has also been amended to provide for this transfer of the fiber work. This change is recommended on account of the close relationship existing between the fiber-plant work and the cotton-breeding investigations carried on under the crop-acclimatization item.</p> <p>The increase in this item is desired, and is believed to be of unusual importance, because of the insufficient supply of sisal and other hard fibers for the manufacture of binder twine. The prices of henequen, a fiber produced in Yucatan, have been very rapidly increasing, and the consumption of binder twine in this country is increasing so rapidly that even if satisfactory conditions for the production of hard fiber should be secured in Yucatan the supply of binder twine manufactured will be inadequate. An immediate investigation should be made of the regions in which the production of hard fibers may be increased, especially Porto Rico, the West Indies, parts of Central America, Hawaii, and the Philippines, and where feasible these investigations should include practical demonstrations as to the best method of preparing fiber.</p>																																																																																																																																																						
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr></thead><tbody><tr><td colspan="4">Salaries:</td></tr><tr><td>Bionomist in charge.....per annum..</td><td>\$4,000.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>3,240.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>2,700.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Agronomist.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Plant breeder.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Agriculturist.....do.....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Sisal demonstrators.....do.....</td><td>2,000.00</td><td>2</td><td>..</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,680.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,620.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,600.00</td><td>1</td><td>..</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Assistants in crop acclimatization.....do.....</td><td>1,200.00</td><td>1</td><td>2</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,020.00</td><td>..</td><td>1 (3 mos.)</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,500.00</td><td>1</td><td>..</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,140.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....do.....</td><td>1,400.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Student assistants, laboratory aids, farm teamster, and collaborators, \$960 to \$1 per annum..</td><td></td><td>5 (2 temp.)</td><td>11 (8 temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Temporary laborers.....per month.....</td><td>\$60 to \$50.....</td><td>8</td><td>6</td></tr><tr><td>.....per diem.....</td><td>\$2.30 to \$0.75.....</td><td>2</td><td>5</td></tr><tr><td>Salaries.....</td><td></td><td>\$38,048.00</td><td>\$26,568.70</td></tr><tr><td>Wages.....</td><td></td><td>3,795.00</td><td>1,934.00</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Stationery.....</td><td></td><td>500.00</td><td>875.18</td></tr><tr><td>Traveling expenses.....</td><td></td><td>11,540.00</td><td>5,728.54</td></tr><tr><td>Equipment and material.....</td><td></td><td>4,390.00</td><td>710.75</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>16,737.00</td><td>1,664.14</td></tr><tr><td>Total.....</td><td></td><td>75,010.00</td><td>37,481.31</td></tr></tbody></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:				Bionomist in charge.....per annum..	\$4,000.00	1	1	Botanist.....do.....	3,240.00	1	1	Botanist.....do.....	3,000.00	1	1	Botanist.....do.....	2,700.00	1	1	Botanist.....do.....	2,520.00	1	1	Botanist.....do.....	2,040.00	1	1	Agronomist.....do.....	2,400.00	1	1	Plant breeder.....do.....	2,040.00	1	1	Agriculturist.....do.....	1,500.00	1	1	Sisal demonstrators.....do.....	2,000.00	2	..	Assistant in crop acclimatization.....do.....	2,040.00	1	1	Assistant in crop acclimatization.....do.....	1,800.00	1	1	Assistant in crop acclimatization.....do.....	1,680.00	1	1	Assistant in crop acclimatization.....do.....	1,620.00	1	1	Assistant in crop acclimatization.....do.....	1,600.00	1	..	Assistant in crop acclimatization.....do.....	1,440.00	1	1	Assistants in crop acclimatization.....do.....	1,200.00	1	2	Assistant in crop acclimatization.....do.....	1,020.00	..	1 (3 mos.)	Scientific assistant.....do.....	1,800.00	1	1	Scientific assistant.....do.....	1,500.00	1	..	Scientific assistant.....do.....	1,200.00	1	1	Scientific assistant.....do.....	1,140.00	1	1	Agent.....do.....	1,400.00	..	1 (temp.)	Student assistants, laboratory aids, farm teamster, and collaborators, \$960 to \$1 per annum..		5 (2 temp.)	11 (8 temp.)	Wages:				Temporary laborers.....per month.....	\$60 to \$50.....	8	6per diem.....	\$2.30 to \$0.75.....	2	5	Salaries.....		\$38,048.00	\$26,568.70	Wages.....		3,795.00	1,934.00	Other objects of expenditure:				Stationery.....		500.00	875.18	Traveling expenses.....		11,540.00	5,728.54	Equipment and material.....		4,390.00	710.75	Miscellaneous items.....		16,737.00	1,664.14	Total.....		75,010.00	37,481.31		
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Temporary laborers.....per month.....	\$60 to \$50.....	8	6																																																																																																																																																			
.....per diem.....	\$2.30 to \$0.75.....	2	5																																																																																																																																																			
Salaries.....		\$38,048.00	\$26,568.70																																																																																																																																																			
Wages.....		3,795.00	1,934.00																																																																																																																																																			
Other objects of expenditure:																																																																																																																																																						
Stationery.....		500.00	875.18																																																																																																																																																			
Traveling expenses.....		11,540.00	5,728.54																																																																																																																																																			
Equipment and material.....		4,390.00	710.75																																																																																																																																																			
Miscellaneous items.....		16,737.00	1,664.14																																																																																																																																																			
Total.....		75,010.00	37,481.31																																																																																																																																																			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation. Amount appropriated for the fiscal year ending June 30, 1917.

General Expenses, Bureau of Plant Industry—Continued.

- (83) For the investigation, testing, and improvement of plants yielding drugs, spices, poisons, oils, and related products and by-products, and for general physiological and fermentation investigations **["\$53,820"]** (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1*)----- \$58,820.00

NOTE.—The increase in this item of \$5,000 is desired for the purpose of enlarging the study of the biochemical basis of immunity in plants. This subject is one which is of fundamental importance to the crop specialists, plant breeders, and plant pathologists in this bureau. Much of the work is planned on a cooperative basis, and the work will be seriously hampered unless this increase in the appropriation is granted.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
		<i>Number.</i>	<i>Number.</i>
Salaries:			
Physiologist in charge..... per annum..	\$3,750.00	1	1
Physiologist in charge..... do.....	3,000.00	1	1
Physiologist..... do.....	2,640.00	1	1
Physiologist..... do.....	3,000.00	1	1
Physiologist..... do.....	2,640.00	1	1
Physiologist..... do.....	2,280.00	1	1
Physiologists..... do.....	2,040.00	1	2 (1 for 6 mos.)
Organic chemist..... do.....	2,640.00	1	1
Organic chemist..... do.....	2,400.00	1	1
Chemical biologists..... do.....	2,400.00	2	2
Chemical biologists..... do.....	2,040.00	2	2
Chemical biologist..... do.....	1,800.00	1	1
Botanist..... do.....	2,040.00	1	1
Botanist..... do.....	1,620.00	1	1
Agronomist..... do.....	1,800.00	1	1
Expert..... do.....	1,680.00	1	1
Expert..... do.....	1,440.00	1	1
Scientific assistant..... do.....	1,800.00	1	1
Scientific assistants..... do.....	1,440.00	1	1
Scientific assistants..... do.....	1,200.00	2	1
Microanalyst..... do.....	1,200.00	1	1
Laboratory technician..... do.....	1,200.00	1	1
Clerk, collaborators, and student assistants, \$70 to \$1..... per month..		3	7 (temp.)
Wages:			
Miscellaneous and \$60 to \$25..... do.....		3 (temp.)	4 (temp.)
temporary labor, \$4 to \$1..... per diem..			6 (temp.)
Salaries.....		\$40,283.00	\$36,010.31
Wages.....		\$11.00	1,759.00
Other objects of expenditure:			
Traveling expenses.....		3,250.00	3,278.13
Equipment and material.....		5,280.00	4,018.06
Miscellaneous items.....		9,196.00	3,750.60
Total.....		58,820.00	48,816.10

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
(84) For crop technological [and fiber plant] investigations, including the study of plant-infesting nematodes [\$25,770] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1</i>)	\$24,940.00	

NOTE.—There is an apparent decrease of \$830 in this item, but, taking into consideration the transfer of the fiber-plant work to the crop-acclimatization item carrying an allotment of \$7,430, there is an actual increase of \$6,600. This increase is desired in order that the scope of investigations with reference to the relationship of the different species of nematodes to agricultural operations may be extended. Present indications are that only a very small part of the injury annually caused by nematodes has been recognized.

The words "and fiber plants" are omitted for the reason given under item 82.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Technologist in charge.....per annum..	\$4,000.00	1	1
Technologists.....do.....	3,000.00	2	1
Technologists.....do.....	1,500.00	2	..
Botanist in charge.....do.....	3,000.00	..	1
Plant morphologist.....do.....	2,520.00	1	1
Pathologist.....do.....	1,620.00	1	1
Scientific assistant.....do.....	1,620.00	..	1
Scientific assistant.....do.....	1,000.00	1	1
Preparator and collaborator, \$600 to \$12.....do.....		1 (temp.)	2 (temp.)
Wages:			
Temporary laborers, \$50 to \$25.....per month.....		6	3
Salaries.....		\$17,960.00	\$16,241.27
Wages.....		1,500.00	475.00
Other objects of expenditure:			
Stationery.....		575.00	239.70
Traveling expenses.....		2,000.00	1,218.24
Equipment and material.....		1,410.00	725.10
Miscellaneous items.....		1,495.00	815.98
Total.....		24,940.00	19,715.29

- (85) [For investigating the handling, grading, and transportation of grain, including the grain sorghums, and the fixing of definite grades thereof, \$88,770]

NOTE.—The item for grain-standardization investigations has been transferred to the Bureau of Markets and the lump-fund appropriation of this bureau correspondingly decreased.

- (86) For biophysical investigations in connection with the various lines of work herein authorized (*same acts*) 32,500.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Biophysicist in charge.....per annum..	\$4,000.00	1	1
Scientific assistants.....do.....	2,520.00	2	..
Scientific assistants.....do.....	2,400.00	..	2 (1 for 6 mos.)
Scientific assistant.....do.....	2,280.00	1	1
Scientific assistant.....do.....	2,040.00	1	1
Scientific assistant.....do.....	1,920.00	1	1
Scientific assistants.....do.....	1,620.00	1	1
Scientific assistants.....do.....	1,200.00	2	..
Scientific assistant.....do.....	1,080.00	..	1
Computer.....per month.....	100.00	..	1 (temp.)
Gardener and laboratory aid, \$960 and \$900.....per annum.....		..	2 (temp.)
Wages:			
Temporary laborers...\$65 to \$25...per month.....		4	4
Temporary laborers...\$0.30.....per hour.....		..	1
Salaries.....		\$17,380.00	\$16,018.84
Wages.....		2,040.00	1,355.00
Other objects of expenditure:			
Traveling expenses.....		3,000.00	1,631.77
Equipment and material.....		7,500.00	1,942.02
Miscellaneous items.....		2,580.00	2,033.70
Total.....		32,500.00	22,981.33

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1917.

General Expenses, Bureau of Plant Industry—Continued.

- (87) For studying and testing commercial seeds, including the testing of samples of seeds of grasses, clover, or alfalfa, and lawn-grass seeds secured in the open market, and where such samples are found to be adulterated or misbranded the results of the tests shall be published, together with the names of the persons by whom the seeds were offered for sale, and for carrying out the provisions of the Act approved August twenty-fourth, nineteen hundred and twelve, entitled "An Act to regulate foreign commerce by prohibiting the admission into the United States of certain adulterated grain and seeds unfit for seeding purposes" (Thirty-seventh Statutes at Large, page five hundred and six) **[\$31,700]** **\$34,700** [and, hereafter, the provisions of said Act approved August twenty-fourth, nineteen hundred and twelve, shall be applied to seed of vetch and rye grass; and, hereafter, when any kind or variety or mixture of the seeds subject to the provisions of said Act of August twenty-fourth, nineteen hundred and twelve, as hereby amended, shall contain less than sixty-five per centum of live pure seed as distinguished from dead seed, chaff, dirt, other seeds, or foreign matter, such seeds or mixtures thereof shall be deemed unfit for seeding purposes within the meaning of said Act approved August twenty-fourth, nineteen hundred and twelve, and the importation of such seed or mixture thereof is prohibited: *Provided, however,* That seed of Kentucky blue grass and seed of Canada blue grass shall not be considered unfit for seeding purposes when they contain fifty per centum or more of live pure seed] (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1) ----- **\$34,700.00**

NOTE.—An increase of \$3,000 in this item is recommended in order to provide for additional work which the enforcement of the amended seed-importation act of August 24, 1912, entails. With the present funds the enforcement of the amended act must be limited almost entirely to the examination of small samples in Washington. It is believed that an intelligent administration of the act can be secured only through the examination of considerable quantities of the suspected shipments at ports of entry.

Certain language, constituting continuing legislation, has been omitted from this paragraph.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
		<i>Number.</i>	<i>Number.</i>
Salaries:			
Botanist in charge.....per annum..	\$3,000.00	1	1
Botanist.....do.....	2,280.00	1	..
Botanist.....do.....	2,160.00	1	1
Scientific assistant.....do.....	1,860.00	1	1
Scientific assistant.....do.....	1,620.00	1	1
Scientific assistant.....do.....	1,560.00	1	1
Scientific assistants.....do.....	1,440.00	4	3
Scientific assistant.....do.....	1,400.00	1	..
Scientific assistants.....do.....	1,200.00	4	3
Scientific assistants.....do.....	1,020.00	..	5 (1 for 1 mo.)
Clerk and collaborators \$70 to \$1....per month..	..	50 (temp.)	5 (1 temp.)
Wages:			
Miscellaneous and temporary labor.....\$25....per month..	..	..	1
.....\$4 to \$2....per diem..	..	..	5
Salaries.....		\$24,940.00	\$21,202.58
Wages.....			1,030.00
Other objects of expenditure:			
Stationery.....		800.00	511.67
Traveling expenses.....		2,550.00	1,300.54
Equipment and material.....		3,060.00	770.11
Telephone and telegraph service.....		550.00	377.10
Miscellaneous items.....		2,800.00	3,188.15
Total.....		34,700.00	28,470.15

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
(88) For the investigation and improvement of cereals and methods of cereal production, and the study of cereal diseases, and for the investigation of the cultivation and breeding of flax for seed purposes, including a study of flax diseases, and for the investigation and improvement of broom corn and methods of broom-corn production, [\$164,505] \$176,505: Provided, That \$40,000 shall be set aside for the study of corn improvement and methods of corn production: Provided, also, That \$20,000 shall be set aside for the investigation of the diseases of wheat, oats, and barley known as black rust and stripe rust (acis Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1) -----	\$176,505.00	

NOTE.—There is an increase of \$12,000 in this item, which it is proposed to expend as follows:

Four thousand dollars for continuing and enlarging the field studies of the best methods for the production of wheat, rye, and barley in different parts of the continental United States.

Four thousand five hundred dollars to investigate conditions under which the usual seed treatments will not prevent bunt or stinking smut of wheat, and to extend the application of seed treatments in regions where they may be most effective. About one-third of this work will be carried on in cooperation with experiment stations in the Western States.

Three thousand five hundred dollars for extending the work inaugurated during the past few years in the production of cereals in the South, especially in Tennessee and North Carolina.

Cereal investigations.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
		<i>Number.</i>	<i>Number.</i>
Salaries:			
Cerealist in charge.....per annum..	\$3,750.00	1	1
Agonomists.....do.....	3,000.00	2	2
Agonomist.....do.....	2,760.00	1	1
Agonomists.....do.....	2,520.00	2	2
Agonomist.....do.....	2,400.00	1	1
Agonomists.....do.....	2,040.00	2	1
Agonomists.....do.....	1,800.00	3	4 (1 for 9 mos.)
Pathologist.....do.....	2,500.00	1	1
Pathologist.....do.....	1,800.00	1	1
Technologist.....do.....	1,800.00	1	1
Agriculturist.....do.....	1,440.00	1	1
Farm superintendent.....do.....	2,040.00	1	1
Farm superintendent.....do.....	2,000.00	1	1
Agent.....do.....	1,800.00	1	1
Agent.....do.....	1,440.00	1	1
Agent.....do.....	1,250.00	1	1
Agent.....do.....	1,100.00	1	1
Scientific assistants.....do.....	1,800.00	3	3
Scientific assistants.....do.....	1,620.00	8	8
Scientific assistants.....do.....	1,500.00	1	2
Scientific assistants.....do.....	1,440.00	11	10
Scientific assistants.....do.....	1,200.00	3	1
Agents, scientific assistant, field assistants, clerks, collaborators, teamsters, and messenger boy, \$900 to \$12, per annum.....		26 (10 temp.)	24 (3 temp.)
Wages:			
Miscellaneous and \$70 to 25.....per month.....		7	5
temporary labor. \$3 to \$1.....per diem.....		51	64
Salaries.....		\$86,571.00	\$74,991.00
Wages.....		7,815.00	4,215.17
Other objects of expenditure:			
Stationery.....		459.00	1,071.71
Traveling expenses.....		15,100.00	12,829.89
Equipment and material.....		2,760.00	1,669.15
Miscellaneous items.....		3,800.00	2,792.87
Total.....		116,505.00	97,569.79

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																				
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																						
<i>Corn improvement.</i>																																																																																						
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Physiologist in charge..... per annum..</td><td>\$2,760.00</td><td>1</td><td>1</td></tr><tr><td>Physiologists..... do.....</td><td>2,520.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistants..... do.....</td><td>2,100.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistants..... do.....</td><td>1,620.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistants..... do.....</td><td>1,500.00</td><td>1</td><td>2</td></tr><tr><td>Scientific assistants..... do.....</td><td>1,440.00</td><td>2</td><td>1</td></tr><tr><td>Scientific assistants..... do.....</td><td>1,200.00</td><td>2</td><td>9 (2 temp.)</td></tr><tr><td>Agent..... do.....</td><td>1,440.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerk and agents..... \$900..... do.....</td><td>..</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Wages:</td><td>\$3 and \$2.50.... per diem.....</td><td>..</td><td>3 (temp.)</td></tr><tr><td>Temporary laborers, \$3 to \$1.50..... do.....</td><td>..</td><td>11</td><td>3</td></tr><tr><td>Salaries.....</td><td>..</td><td>\$16,980.00</td><td>\$20,646.61</td></tr><tr><td>Wages.....</td><td>..</td><td>4,155.00</td><td>153.00</td></tr><tr><td>Other objects of expenditure:</td><td>..</td><td>..</td><td>..</td></tr><tr><td>Stationery.....</td><td>..</td><td>600.00</td><td>428.20</td></tr><tr><td>Traveling expenses.....</td><td>..</td><td>7,000.00</td><td>11,018.65</td></tr><tr><td>Equipment and material.....</td><td>..</td><td>7,180.00</td><td>1,852.92</td></tr><tr><td>Miscellaneous items.....</td><td>..</td><td>4,085.00</td><td>2,882.23</td></tr><tr><td>Total.....</td><td>..</td><td>40,000.00</td><td>36,981.61</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Physiologist in charge..... per annum..	\$2,760.00	1	1	Physiologists..... do.....	2,520.00	2	2	Scientific assistants..... do.....	2,100.00	2	2	Scientific assistants..... do.....	1,620.00	2	2	Scientific assistants..... do.....	1,500.00	1	2	Scientific assistants..... do.....	1,440.00	2	1	Scientific assistants..... do.....	1,200.00	2	9 (2 temp.)	Agent..... do.....	1,440.00	..	1 (temp.)	Clerk and agents..... \$900..... do.....	1 (temp.)	Wages:	\$3 and \$2.50.... per diem.....	..	3 (temp.)	Temporary laborers, \$3 to \$1.50..... do.....	..	11	3	Salaries.....	..	\$16,980.00	\$20,646.61	Wages.....	..	4,155.00	153.00	Other objects of expenditure:	Stationery.....	..	600.00	428.20	Traveling expenses.....	..	7,000.00	11,018.65	Equipment and material.....	..	7,180.00	1,852.92	Miscellaneous items.....	..	4,085.00	2,882.23	Total.....	..	40,000.00	36,981.61		
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p><i>General Expenses, Bureau of Plant Industry—Continued.</i></p> <p>(89) For the investigation and improvement of tobacco and the methods of tobacco production and handling ["\$27,500"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1</i>)</p>	\$32,000.00	

NOTE.—There is an increase in this item of \$4,500. Under present curing methods portions of the tobacco crop, especially Pennsylvania cigar-filler tobacco, are subject to damage from weather conditions. It is desired to develop methods for eliminating this loss by controlling the barn or curing-house conditions and at the same time insuring greater uniformity and better quality in the cured leaf.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Physiologist in charge.....per annum..	\$2,760.00	1 (8 mos.).	1 (8 mos.).
Technologist.....do.....	2,250.00	1	1
Technologist.....do.....	1,800.00	1	1
Technologist.....do.....	1,620.00	1	1
Assistant in tobacco investigations.....do....	1,800.00	1	..
Assistant in tobacco investigations.....do....	1,620.00	2	3
Assistant in tobacco investigations.....do....	1,560.00	1	1
Assistant in tobacco investigations.....do....	1,500.00	1	..
Assistant in tobacco investigations.....do....	1,440.00	1	..
Assistant in tobacco investigations.....do....	1,380.00	1	1
Assistant in tobacco investigations.....do....	1,200.00	..	1
Assistants in tobacco investigations, field assistants, agents, and collaborators, \$1,020 to \$12.....per annum..		11 (2 temp.).	8
Wages:			
Temporary laborers, \$60 to \$30.....per month..		2	5
Temporary laborers, \$3 to \$2.....per diem..		1	5
Salaries.....		\$21,184.00	\$17,123.75
Wages.....		940.00	2,160.00
Other objects of expenditure:			
Traveling expenses.....		1,499.00	2,378.00
Equipment and material.....		5,499.00	513.92
Miscellaneous items.....		2,878.00	2,796.14
Total.....		32,000.00	24,971.81

- (90) For testing and breeding fibrous plants, including the testing of flax straw, in cooperation with the North Dakota Agricultural College, which may be used for paper making **["\$10,840"]** (*same acts*)

16,760.00

NOTE.—An increase in this item of \$5,920 is recommended for the purpose of installing a flax-tow machine in North Dakota or Minnesota, with which to conduct tests on a commercial scale to determine whether flax tow can be produced at a price and in sufficient quantity and quality to compete with other raw materials used in paper making.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chemist.....per annum..	\$2,040.00	1	1
Assistant in paper-plant investigations.....do....	1,620.00	1	1
Physicist.....do.....	1,200.00	1	1
Salaries.....		\$4,860.00	\$3,860.00
Other objects of expenditure:			
Stationery.....		100.00	135.81
Traveling expenses.....		2,000.00	1,028.60
Equipment and material.....		7,300.00	1,365.46
Miscellaneous items.....		2,500.00	2,229.13
Total.....		16,760.00	8,619.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																														
General Expenses, Bureau of Plant Industry—Continued.																																																																																																
(91) For the breeding and physiological study of alkali-resistant and drought-resistant crops ["\$22,280"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1)</i> -----	\$24,280.00																																																																																															
NOTE.—There is an increase in this item of \$2,000, which it is proposed to use for extending the work in the breeding of drought-resistant field crops and to complete comparative tests of promising new strains of alfalfa and brome grass.																																																																																																
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Physiologist in charge.....per annum..</td><td>\$3,240.00</td><td>1</td><td>1</td></tr><tr><td>Physiologist.....do.....</td><td>3,240.00</td><td>1</td><td>1</td></tr><tr><td>Physiologist.....do.....</td><td>2,000.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in arboriculture.....do.....</td><td>2,250.00</td><td>1 (6 mos.)</td><td>1 (6 mos.)</td></tr><tr><td>Assistant in crop acclimatization.....do.....</td><td>1,200.00</td><td>2 (1 temp.)</td><td>1 (9 mos.)</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,620.00</td><td rowspan="2">1</td><td rowspan="2">1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,380.00</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,200.00</td><td>1 (4 mos.)</td><td>1 (4 mos.)</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,020.00</td><td>2</td><td>2</td></tr><tr><td>Gardener, laboratory aid, and collaborator, \$960 to \$300.....per annum..</td><td></td><td>1 (temp.)</td><td>3 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers.....\$65 to \$25 per month..</td><td></td><td>4</td><td>7</td></tr><tr><td>.....\$2.25 to \$2 per diem..</td><td></td><td>..</td><td>2</td></tr><tr><td>Salaries.....</td><td></td><td>\$15,745.00</td><td>\$14,387.74</td></tr><tr><td>Wages.....</td><td></td><td>1,420.00</td><td>1,583.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>575.00</td><td>205.53</td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,900.00</td><td>4,144.00</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,200.00</td><td>781.75</td></tr><tr><td>Telegraph and telephone service.....</td><td></td><td>350.00</td><td>30.39</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,090.00</td><td>413.61</td></tr><tr><td>Total.....</td><td></td><td>24,280.00</td><td>21,546.02</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Physiologist in charge.....per annum..	\$3,240.00	1	1	Physiologist.....do.....	3,240.00	1	1	Physiologist.....do.....	2,000.00	1	1	Assistant in arboriculture.....do.....	2,250.00	1 (6 mos.)	1 (6 mos.)	Assistant in crop acclimatization.....do.....	1,200.00	2 (1 temp.)	1 (9 mos.)	Scientific assistant.....do.....	1,620.00	1	1	Scientific assistant.....do.....	1,380.00	Scientific assistant.....do.....	1,200.00	1 (4 mos.)	1 (4 mos.)	Scientific assistants.....do.....	1,020.00	2	2	Gardener, laboratory aid, and collaborator, \$960 to \$300.....per annum..		1 (temp.)	3 (temp.)	Wages:				Temporary laborers.....\$65 to \$25 per month..		4	7\$2.25 to \$2 per diem..		..	2	Salaries.....		\$15,745.00	\$14,387.74	Wages.....		1,420.00	1,583.00	Other objects of expenditure:				Stationery.....		575.00	205.53	Traveling expenses.....		3,900.00	4,144.00	Equipment and material.....		1,200.00	781.75	Telegraph and telephone service.....		350.00	30.39	Miscellaneous items.....		1,090.00	413.61	Total.....		24,280.00	21,546.02		
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(92) For ["sugar-beet"] <i>sugar-plant</i> investigations, including studies of diseases and the improvement of the beet and beet seed, and methods of culture, and to determine for each sugar-beet area the agricultural operations required to insure a stable agriculture, ["\$51,495"] <i>\$56,015: Provided, That not less than \$10,000 of this sum shall be used for the development and improvement of American strains of sugar-beet seed and for the establishment of a permanent sugar-beet seed industry in the United States: Provided, further, That of this sum ["\$10,000"] \$12,500 may be used for investigations in connection with the production of ["table"] cane and sorghum sirup, including the breeding, culture, and diseases of cane and sorghum, ["and the methods of manufacture, standardization, and marketing of sirup,"] and the utilization of cane and sorghum by-products (<i>same acts</i>) -----</i>	\$56,015.00																																																																																															
NOTE.—The apparent increase in this item is \$4,520, but taking into consideration the transfer to the statutory roll of one laborer or messenger at \$480, the actual increase is \$5,000.																																																																																																
The investigation of certain manufacturing aspects of the table-sirup work, involving an expenditure of \$4,000, which during the current fiscal year has been paid for out of this item, is now provided for in the estimates for the Bureau of Chemistry, thus making available for the plant-industry phases of the table-sirup work an actual increase of \$6,500, and an actual increase in the working funds for sugar-plant investigations of \$9,000. It is proposed to use this increase as follows:																																																																																																
One thousand five hundred dollars to extend the experimental work now under way with cane sirup and to inaugurate similar work in a new location so that the cane varieties may be tested under different soil and climatic conditions, and also to reduce the risk of loss of valuable sugar-cane varieties through accident of disease.																																																																																																
Five thousand dollars to undertake economic and technical investigations as to the status of the sorghum industry. The total production of sorghum in 1915 was approximately 15,000,000 gallons. In 1914 the price per gallon																																																																																																

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																										
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<p>varied in different States from 39 cents in Mississippi to 72 cents in Utah. Sweet sorghum is an important farm crop in about half of the States, and it is probable that its value may be increased by careful attention to cultural methods, selection of varieties, etc.</p> <p>One thousand dollars for experimental work in the control of sugar-beet nematodes. Recent consideration of the relation of nematode infestation to the yield and quality of sugar beets indicates the urgent importance of undertaking careful investigations regarding the areas now seriously infested with nematodes and also the inauguration of experimental methods for controlling the destructive action of these worms in infested areas.</p> <p>One thousand five hundred dollars for a special investigation, in cooperation with the Bureau of Entomology, of the curly-top disease of sugar beets, a malady which seriously limits the yield and quality of this crop and which is now believed to be transmitted primarily by certain insects, although the causative organism of curly-top is still unknown.</p> <p>The following changes in language also are recommended: The substitution of the words "sugar-plant" for "sugar-beet" so that the authority will cover the work on cane and sorghum sirup; the substitution of "cane and sorghum sirup" for "table-sirup," in order clearly to indicate the character of the work proposed; and the omission of the words "and the methods of manufacture, standardization, and marketing of sirup," so as to limit the work purely to plant industry problems.</p> <p style="text-align: center;"><i>Sugar-plant investigations.</i></p> <table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Pathologist in charge.....per annum..</td><td>\$3,240.00</td><td>1</td><td>1</td></tr><tr><td>Pathologist.....do.....</td><td>2,000.00</td><td>1</td><td>1</td></tr><tr><td>Agriculturist.....do.....</td><td>2,040.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Agriculturist.....do.....</td><td>2,000.00</td><td>1</td><td>1</td></tr><tr><td>Assistant agriculturist.....do.....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Technologist.....do.....</td><td>1,800.00</td><td>..</td><td>1</td></tr><tr><td>Assistant in sugar-beet investigations.....do.....</td><td>2,760.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in sugar-beet investigations.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in sugar-beet investigations.....do.....</td><td>1,800.00</td><td>1 (temp.)</td><td>..</td></tr><tr><td>Assistants in sugar-beet investigations.....do.....</td><td>1,740.00</td><td>2</td><td>2</td></tr><tr><td>Clerks and collaborators, \$900 to \$1.....do.....</td><td></td><td>9 (1 temp.)</td><td>10 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers: \$60 to \$20.....per month..</td><td></td><td>5</td><td>7</td></tr><tr><td> \$4.20 to \$2.....per diem..</td><td></td><td>..</td><td>4</td></tr><tr><td>Salaries.....</td><td></td><td>\$19,345.00</td><td>\$15,951.25</td></tr><tr><td>Wages.....</td><td></td><td>1,140.00</td><td>1,895.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>750.00</td><td>422.97</td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,250.00</td><td>7,694.31</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,570.00</td><td>3,228.84</td></tr><tr><td>Miscellaneous expenses.....</td><td></td><td>5,460.00</td><td>2,281.34</td></tr><tr><td>Total.....</td><td></td><td>33,515.00</td><td>31,473.71</td></tr></table> <p style="text-align: center;"><i>Improving sugar-beet seed.</i></p> <table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Technologist.....per annum..</td><td>\$2,040.00</td><td>1</td><td>..</td></tr><tr><td>Agriculturists.....do.....</td><td>2,040.00</td><td>2</td><td>..</td></tr><tr><td>Wages</td><td></td><td></td><td></td></tr><tr><td>Temporary laborer.....do.....</td><td>720.00</td><td>1</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$6,120.00</td><td>..</td></tr><tr><td>Wages.....</td><td></td><td>540.00</td><td>..</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>250.00</td><td>..</td></tr><tr><td>Traveling expenses.....</td><td></td><td>1,000.00</td><td>..</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,100.00</td><td>..</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>990.00</td><td>..</td></tr><tr><td>Total.....</td><td></td><td>10,000.00</td><td>..</td></tr></table> <p style="text-align: center;">* No appropriation for fiscal year 1916.</p>			Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Pathologist in charge.....per annum..	\$3,240.00	1	1	Pathologist.....do.....	2,000.00	1	1	Agriculturist.....do.....	2,040.00	1	1 (temp.)	Agriculturist.....do.....	2,000.00	1	1	Assistant agriculturist.....do.....	1,800.00	1	..	Technologist.....do.....	1,800.00	..	1	Assistant in sugar-beet investigations.....do.....	2,760.00	1	1	Assistant in sugar-beet investigations.....do.....	2,500.00	1	1	Assistant in sugar-beet investigations.....do.....	1,800.00	1 (temp.)	..	Assistants in sugar-beet investigations.....do.....	1,740.00	2	2	Clerks and collaborators, \$900 to \$1.....do.....		9 (1 temp.)	10 (temp.)	Wages:				Temporary laborers: \$60 to \$20.....per month..		5	7	\$4.20 to \$2.....per diem..		..	4	Salaries.....		\$19,345.00	\$15,951.25	Wages.....		1,140.00	1,895.00	Other objects of expenditure:				Stationery.....		750.00	422.97	Traveling expenses.....		3,250.00	7,694.31	Equipment and material.....		3,570.00	3,228.84	Miscellaneous expenses.....		5,460.00	2,281.34	Total.....		33,515.00	31,473.71	Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:		<i>Number.</i>	<i>Number.</i>	Technologist.....per annum..	\$2,040.00	1	..	Agriculturists.....do.....	2,040.00	2	..	Wages				Temporary laborer.....do.....	720.00	1	..	Salaries.....		\$6,120.00	..	Wages.....		540.00	..	Other objects of expenditure:				Stationery.....		250.00	..	Traveling expenses.....		1,000.00	..	Equipment and material.....		1,100.00	..	Miscellaneous items.....		990.00	..	Total.....		10,000.00	..		
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* No appropriation for fiscal year 1916.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<i>Table sirup.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Technologist.....per annum..	\$2,500.00	1	1		
Pathologist.....do.....	2,040.00	1	..		
Chemist.....do.....	3,500.00	..	1 (1 mo.)		
Chemist.....do.....	1,800.00	..	1		
Scientific assistant.....do.....	1,620.00	1	1		
Clerk and collaborators, \$720 to \$12.....do.....	1,380.00	3	5 (4 temp.)		
Wages:					
Miscellaneous and temporary labor.....	\$60 and \$40 per month.	1	1		
porary labor.....	{ \$3 to \$2....per diem..	..	2		
Salaries.....		\$6,136.00	\$5,899.05		
Wages.....		540.00	104.00		
Other objects of expenditure:					
Stationery.....		250.00	16.09		
Traveling expenses.....		2,100.00	2,186.04		
Equipment and material.....		1,500.00	633.72		
Miscellaneous items.....		1,974.00	1,173.52		
Total.....		12,500.00	10,012.42		
(93) For investigations in economic and systematic botany and the improvement and utilization of wild plants and grazing lands, [\$24,000] \$26,100: <i>Provided, That of this sum \$3,000 shall be used to cooperate with horticultural organizations in the standardization of botanical names in horticultural use (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1) --</i>				\$26, 100. 00	
NOTE.—The apparent increase in this item is \$2,100, but taking into consideration the transfer of one clerk at \$900 to the statutory roll, the actual increase is \$3,000. This increase is recommended so as to provide for cooperation with horticultural organizations in the standardization of botanical terms used in the horticultural industry. A request for such cooperation has been received from the joint committee of the American Association of Nurserymen and the Ornamental Growers' Association on Nomenclature. This work is made necessary because of the great confusion now existing in the application of botanical names.					
New language has been added to this paragraph authorizing this cooperation and restricting the amount which may be used for the purpose.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Botanist in charge.....per annum..	\$4,000.00	1	1		
Botanist.....do.....	2,520.00	1	1		
Botanist.....do.....	2,000.00	1	1 (4½ mos.)		
Botanists.....do.....	1,800.00	2	1		
Botanist.....do.....	1,700.00	..	1 (3½ mos.)		
Agrostologist.....do.....	3,000.00	1	1		
Scientific assistant.....do.....	1,800.00	..	1 (6½ mos.)		
Scientific assistant.....do.....	1,620.00	1	1		
Scientific assistant.....do.....	1,000.00	1	..		
Clerk*.....do.....	900.00	..	1		
Artist and student assistants.....do.....	300.00	..	4 (temp.)		
per hour.....	.50	..	1 (temp.)		
Wages:					
Temporary laborers, \$50 to \$25.....per month....		5	..		
Salaries.....		\$17,740.00	\$16,067.94		
Wages.....		1,200.00	..		
Other objects of expenditure:					
Stationery.....		1,025.00	617.50		
Traveling expenses.....		2,300.00	1,698.23		
Equipment and material.....		2,085.00	834.50		
Miscellaneous items.....		1,750.00	4,422.37		
Total.....		26,100.00	23,640.54		
* Transferred to statutory roll in estimates for 1918.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
General Expenses, Bureau of Plant Industry—Continued.			
(94) For the investigation and improvement of methods of crop production under subhumid, semiarid, or dry-land conditions, \$160,000: <i>Provided</i> , That the limitation in this act as to the cost of farm buildings shall not apply to this paragraph: <i>Provided further</i> , That no part of this appropriation shall be used in the free distribution, or propagation for free distribution, [except within the district now covered thereby, in accordance with Bulletin numbered two, issued by the superintendent of the Northern Great Forest Section, Mandan, North Dakota, October twelfth, nineteen hundred and fourteen,] of cuttings, seedlings, or trees of willow, boxelder, ash, caragana, or other common varieties of fruit, ornamental, or shelter-belt trees in the Northern Great Plains area, except for experimental or demonstration purposes in the States of North and South Dakota west of the 100th meridian, and in Montana and Wyoming east of the 5,000-foot contour line (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1) -- \$160, 000. 00			
NOTE.—A change in the phraseology of this item is proposed in the interest of greater accuracy. The name of the station is incorrectly stated in the matter omitted, and the rearrangement of the wording is believed to more clearly indicate the area excepted in the matter of free distribution of trees, cuttings, etc., without changing in any way the intent of Congress.			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Agriculturist in charge.....per annum.....	\$4,000.00	1	1
Assistants in dry-land agriculture.....do.....	2,760.00	2	2
Assistants in dry-land agriculture.....do.....	2,040.00	1	2
Assistants in dry-land agriculture.....do.....	1,800.00	9	7
Assistant in dry-land agriculture.....do.....	1,700.00	1	1
Assistants in dry-land agriculture.....do.....	1,620.00	6	2
Assistant in dry-land agriculture.....do.....	1,500.00	1	1
Assistants in dry-land agriculture.....do.....	1,440.00	2	4
Assistants in dry-land agriculture.....do.....	1,380.00	---	2
Assistants in dry-land agriculture.....do.....	1,200.00	1	1
Scientific assistant.....do.....	1,800.00	1	1
Farm superintendent.....do.....	2,500.00	1	1
Farm superintendents.....do.....	2,040.00	4	3
Farm superintendents.....do.....	1,800.00	2	---
Physiologist.....do.....	2,100.00	1	1
Agent.....do.....	1,800.00	1	1
Clerks and computer, \$1,200 and \$1,020.....do.....	---	---	3 (temp.)
Scientific assistant, caretakers, mess cooks, teamsters, and collaborators, \$900 to \$12 per annum.....	---	6 (temp.)	9 (7 temp.)
Wages:			
Miscellaneous and temporary labor.....\$75 to \$30.....per month.....	---	100 (temp)	45
.....\$8 to \$1.....per diem.....	---	---	155
.....\$0.87½ to \$0.20.....per hour.....	---	---	16
Salaries.....	---	\$66,340.00	\$61,581.02
Wages.....	---	51,975.00	28,751.00
Other objects of expenditure:			
Traveling expenses.....	---	13,251.00	15,575.47
Equipment and material.....	---	18,956.00	15,053.09
Miscellaneous items.....	---	9,478.00	24,649.10
Construction work.....	---	---	12,596.00
Total.....	---	160,000.00	158,205.68
1 This construction work consisted of the following:			
1 barn, containing 32,950 cubic feet, at 4 cents per cubic foot.....	---	---	\$1,318.00
1 superintendent's residence, containing 35,112 cubic feet, at about 9 cents per cubic foot.....	---	---	3,160.00
1 office and laboratory building, containing 27,850 cubic feet, at 10 cents per cubic foot.....	---	---	2,785.00
1 barn and implement shed, containing 93,330 cubic feet, at 4 cents per cubic foot.....	---	---	3,733.00
1 mess house, containing 17,770 cubic feet, at 9 cents per cubic foot.....	---	---	1,600.00
Total.....	---	---	12,596.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																				
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																																																						
(95) For investigations in connection with western irrigation agriculture, the utilization of lands reclaimed under the reclamation act, and other areas in the arid and semiarid regions (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1</i>) -----	\$75,380.00																																																																																																																					
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td></td><td></td><th>Number.</th><th>Number.</th></tr><tr><td>Salaries:</td><td></td><td></td><td></td></tr><tr><td>Agriculturist in charge.:.....per annum..</td><td>{ \$3,500.00 3,240.00 }</td><td>1</td><td>1</td></tr><tr><td>Agriculturist.....do.....</td><td>2,500.00 ..</td><td>..</td><td>1 (1½ mos.)</td></tr><tr><td>Agriculturist.....do.....</td><td>2,000.00 ..</td><td>..</td><td>1 (7 mos.)</td></tr><tr><td>Assistant agriculturists.....do.....</td><td>1,200.00</td><td>1</td><td>3</td></tr><tr><td>Farm superintendents.....do.....</td><td>2,000.00</td><td>3</td><td>3 (1 for 7½ mos.)</td></tr><tr><td>Farm superintendent.....do.....</td><td>1,800.00</td><td>1</td><td>1 (7 mos.)</td></tr><tr><td>Assistant in dry land agriculture.....do.....</td><td>1,620.00</td><td>1</td><td>1</td></tr><tr><td>Assistants in dry land agriculture.....do.....</td><td>1,440.00</td><td>2</td><td>1 (10½ mos.)</td></tr><tr><td>Assistants in irrigation agriculture.....do.....</td><td>1,080.00</td><td>2</td><td>..</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,620.00 ..</td><td>..</td><td>1 (3½ mos.)</td></tr><tr><td>Scientific assistant.....do.....</td><td>{ 1,440.00 1,200.00 }</td><td>1</td><td>1</td></tr><tr><td>Clerk.....do.....</td><td>1,200.00 ..</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Teamsters.....do.....</td><td>1,020.00 ..</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Agriculturists, collaborators, caretakers, and mess cooks, \$900 to \$240.....per annum..</td><td>..</td><td>1</td><td>12 (11 temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Miscellaneous and \$75 to \$35.....per month..</td><td>..</td><td>44</td><td>35</td></tr><tr><td>temporary labor. \$7 to \$1.25.....per diem..</td><td>..</td><td>..</td><td>87</td></tr><tr><td>Salaries.....</td><td></td><td>\$22,700.00</td><td>\$27,030.88</td></tr><tr><td>Wages.....</td><td></td><td>23,760.00</td><td>17,724.90</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>5,000.00</td><td>4,219.77</td></tr><tr><td>Equipment and material.....</td><td></td><td>15,533.00</td><td>9,471.12</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>8,387.00</td><td>8,711.84</td></tr><tr><td>Construction work.....</td><td></td><td>..</td><td>1 2,835.00</td></tr><tr><td>Total.....</td><td></td><td>75,380.00</td><td>69,993.51</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.			Number.	Number.	Salaries:				Agriculturist in charge.:.....per annum..	{ \$3,500.00 3,240.00 }	1	1	Agriculturist.....do.....	2,500.00	1 (1½ mos.)	Agriculturist.....do.....	2,000.00	1 (7 mos.)	Assistant agriculturists.....do.....	1,200.00	1	3	Farm superintendents.....do.....	2,000.00	3	3 (1 for 7½ mos.)	Farm superintendent.....do.....	1,800.00	1	1 (7 mos.)	Assistant in dry land agriculture.....do.....	1,620.00	1	1	Assistants in dry land agriculture.....do.....	1,440.00	2	1 (10½ mos.)	Assistants in irrigation agriculture.....do.....	1,080.00	2	..	Scientific assistant.....do.....	1,800.00	1	1	Scientific assistant.....do.....	1,620.00	1 (3½ mos.)	Scientific assistant.....do.....	{ 1,440.00 1,200.00 }	1	1	Clerk.....do.....	1,200.00	1 (temp.)	Teamsters.....do.....	1,020.00	2 (temp.)	Agriculturists, collaborators, caretakers, and mess cooks, \$900 to \$240.....per annum..	..	1	12 (11 temp.)	Wages:				Miscellaneous and \$75 to \$35.....per month..	..	44	35	temporary labor. \$7 to \$1.25.....per diem..	87	Salaries.....		\$22,700.00	\$27,030.88	Wages.....		23,760.00	17,724.90	Other objects of expenditure:				Traveling expenses.....		5,000.00	4,219.77	Equipment and material.....		15,533.00	9,471.12	Miscellaneous items.....		8,387.00	8,711.84	Construction work.....		..	1 2,835.00	Total.....		75,380.00	69,993.51		
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Construction work.....		..	1 2,835.00																																																																																																																			
Total.....		75,380.00	69,993.51																																																																																																																			
¹ This construction work consisted of the following buildings:																																																																																																																						
1 frame granary, containing 9,900 cubic feet, at 12 cents per cubic foot.....	\$1,188.00																																																																																																																					
1 frame barn, containing 38,400 cubic feet, at about 2.6 cents per cubic foot.....	998.00																																																																																																																					
1 frame machine shed, containing 6,700 cubic feet, at 3 cents per cubic foot.....	201.00																																																																																																																					
1 frame granary, containing 7,480 cubic feet, at 6 cents per cubic foot.....	448.00																																																																																																																					
Total.....	2,835.00																																																																																																																					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p><i>General Expenses, Bureau of Plant Industry—Continued.</i></p> <p>(96) For the investigation and improvement of fruits, and the methods of fruit growing, harvesting, packing, storing, handling, and shipping, and for experimental shipments of fruits within the United States and to foreign countries ["\$105,060"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1</i>) -----</p>	\$102,200.00	

NOTE.—There is an apparent decrease of \$2,860 in this item, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Horticulturist in charge.....per annum..	\$4,000.00	1 (6 mos.)	1 (6 mos.)
Physiologist.....do.....	3,240.00	1	1
Pomologist.....do.....	3,240.00	1	1
Pomologists.....do.....	3,000.00	3	2
Pomologists.....do.....	2,760.00	2	2
Pomologist.....do.....	2,700.00	1	1
Pomologist.....do.....	2,280.00	1	1
Pomologist.....do.....	2,220.00	1	1
Pomologist.....do.....	2,040.00	1	1
Pomologist.....do.....	1,800.00	1	1
Assistant pomologist.....do.....	2,400.00	1 (6 mos.)	1
Botanist.....do.....	2,520.00	1	1
Refrigeration technologist.....do.....	2,500.00	1	1
Nut culturist.....do.....	2,040.00	1	1
Viticultural superintendent.....do.....	1,620.00	1	1
Scientific assistant.....do.....	1,800.00	1	1
Scientific assistant.....do.....	1,680.00	1	1
Scientific assistants.....do.....	1,620.00	4 (1 for 8 mos.)	2
Scientific assistants.....do.....	1,440.00	6	4 (1 for 6 mos.)
Scientific assistants.....do.....	1,200.00	4	9
Plant propagator.....do.....	1,200.00	1	1 (11 mos.)
Assistant in illustrations.....do.....	1,200.00	1 (temp.)	1 (temp.)
Clerk.....do.....	1,200.00	1	1
Messenger boys, \$360 and \$300*.....do.....			2
Expert, clerks, and collaborators, \$900 to \$12.....per annum.....		5	10 (5 temp.)
Wages:			
Miscellaneous and temporary labor—			
\$75 to \$25 per month.....		6	5
\$5 to \$3.50 per diem.....		1	3
Salaries.....		\$60,667.00	\$56,954.00
Wages.....		600.00	1,354.00
Other objects of expenditure:			
Traveling expenses.....		22,896.32	22,597.94
Equipment and material.....		2,508.03	2,845.93
Miscellaneous items.....		15,528.65	20,690.83
Total.....		102,200.00	104,442.70

*Transferred to statutory roll in estimates for 1918.

- (97) To cultivate and care for the gardens and grounds of the Department of Agriculture in the city of Washington, including the keep and lighting of the grounds and the construction, surfacing, and repairing of roadways and walks; and to erect, manage, and maintain conservatories, greenhouses, and plant and fruit propagating houses on the grounds of the Department of Agriculture in the city of Washington (*same acts*) -----

11,690.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant in charge.....per annum..	\$2,400.00	1	1
Plant breeder.....do.....	2,220.00	1	1 (4 mos.)
Wages:			
Miscellaneous and temporary labor—			
\$25.....per month.....		4	1
\$4 to \$1.60.....per diem.....		1	13
Salaries.....		\$2,400.00	\$3,148.99
Wages.....		56.00	970.00
Other objects of expenditure:			
Equipment and material.....		3,000.00	4,272.70
Miscellaneous items.....		6,234.00	3,255.84
Total.....		11,690.00	11,647.53

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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																								
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																																																										
(98) For horticultural investigations, including the study of producing, handling, and shipping truck and related crops, including potatoes, and the study of landscape and vegetable gardening, floriculture, and related subjects ["\$56,080"] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol 39, pp. 452, 455, sec. 1</i>) --		\$65,240. 00																																																																																																																								
<p>NOTE.—There is an apparent increase in this item of \$9,160, but, taking into consideration the transfer to the statutory roll of one clerk at \$840, the actual increase is \$10,000. In view of the fact, however, that \$7,500 of this amount represents a transfer from the item for congressional seed distribution, which item is correspondingly reduced, the increase for horticultural investigations is only \$2,500.</p> <p>This increase is recommended for the purpose of continuing and enlarging the bulb cultural investigations at Bellingham, Wash. The department's efforts to stimulate the domestic production of spring flowering bulbs, which now are imported from Europe to the extent of more than \$1,000,000 annually, have demonstrated the possibility of producing bulbs of superior quality. A number of cultural problems remain to be investigated more thoroughly, and, in order to secure the best results, it is considered desirable to conduct the work on a somewhat larger and broader scale than heretofore has been possible with the funds and authority available under the congressional seed item.</p>																																																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="4"><i>Salaries:</i></td></tr><tr><td>Horticulturist in charge.....per annum..</td><td>\$4,000.00</td><td><i>Number.</i> 1 (6 mos.)</td><td><i>Number.</i> 1 (6 mos.)</td></tr><tr><td>Horticulturist.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Horticulturist.....do....</td><td>2,280.00</td><td>1</td><td>1</td></tr><tr><td>Horticulturist.....do....</td><td>1,800.00</td><td>--</td><td>1 (10 mos.)</td></tr><tr><td>Physiologist.....do....</td><td>2,040.00</td><td>1 (6 mos.)</td><td>--</td></tr><tr><td>Agriculturist.....do....</td><td>2,760.00</td><td>1</td><td>--</td></tr><tr><td>Plant propagator.....do....</td><td>1,200.00</td><td>1</td><td>--</td></tr><tr><td>Plant introducer.....do....</td><td>3,240.00</td><td>--</td><td>1 (2 mos.)</td></tr><tr><td>Plant breeder.....do....</td><td>2,220.00</td><td>--</td><td>1 (4 mos.)</td></tr><tr><td>Agronomist.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>1,740.00</td><td>--</td><td>1 (9 mos.)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,620.00</td><td>2 (1 for 4 mos.)</td><td>2</td></tr><tr><td>Scientific assistants.....do....</td><td>1,440.00</td><td>3</td><td>3 (1 for 6 mos.)</td></tr><tr><td>Assistant pomologist.....do....</td><td>2,400.00</td><td>1 (6 mos.)</td><td>--</td></tr><tr><td>Laboratory technician.....do....</td><td>1,200.00</td><td>--</td><td>1 (4½ mos.)</td></tr><tr><td>Clerk *.....do....</td><td>840.00</td><td>--</td><td>1</td></tr><tr><td>Laboratory aids, agent, and collaborators, \$75 to \$2.50.....per month..</td><td></td><td>2</td><td>7 (4 temp.)</td></tr><tr><td colspan="4"><i>Wages:</i></td></tr><tr><td>Temporary laborers { \$75 to \$25.....do....</td><td></td><td>19</td><td>12</td></tr><tr><td> { \$3 to \$1....per diem..</td><td></td><td>5</td><td>8</td></tr><tr><td>Salaries.....</td><td></td><td>\$22,330.00</td><td>\$20,978.59</td></tr><tr><td>Wages.....</td><td></td><td>9,800.00</td><td>4,770.00</td></tr><tr><td colspan="4"><i>Other objects of expenditure:</i></td></tr><tr><td>Stationery.....</td><td></td><td>584.19</td><td>1,427.38</td></tr><tr><td>Traveling expenses.....</td><td></td><td>14,333.43</td><td>10,176.90</td></tr><tr><td>Equipment and material.....</td><td></td><td>8,687.15</td><td>2,720.83</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>9,505.23</td><td>15,167.21</td></tr><tr><td>Total.....</td><td></td><td>65,240.00</td><td>55,240.91</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	<i>Salaries:</i>				Horticulturist in charge.....per annum..	\$4,000.00	<i>Number.</i> 1 (6 mos.)	<i>Number.</i> 1 (6 mos.)	Horticulturist.....do....	3,000.00	1	1	Horticulturist.....do....	2,280.00	1	1	Horticulturist.....do....	1,800.00	--	1 (10 mos.)	Physiologist.....do....	2,040.00	1 (6 mos.)	--	Agriculturist.....do....	2,760.00	1	--	Plant propagator.....do....	1,200.00	1	--	Plant introducer.....do....	3,240.00	--	1 (2 mos.)	Plant breeder.....do....	2,220.00	--	1 (4 mos.)	Agronomist.....do....	1,800.00	1	1	Scientific assistant.....do....	1,740.00	--	1 (9 mos.)	Scientific assistants.....do....	1,620.00	2 (1 for 4 mos.)	2	Scientific assistants.....do....	1,440.00	3	3 (1 for 6 mos.)	Assistant pomologist.....do....	2,400.00	1 (6 mos.)	--	Laboratory technician.....do....	1,200.00	--	1 (4½ mos.)	Clerk *.....do....	840.00	--	1	Laboratory aids, agent, and collaborators, \$75 to \$2.50.....per month..		2	7 (4 temp.)	<i>Wages:</i>				Temporary laborers { \$75 to \$25.....do....		19	12	{ \$3 to \$1....per diem..		5	8	Salaries.....		\$22,330.00	\$20,978.59	Wages.....		9,800.00	4,770.00	<i>Other objects of expenditure:</i>				Stationery.....		584.19	1,427.38	Traveling expenses.....		14,333.43	10,176.90	Equipment and material.....		8,687.15	2,720.83	Miscellaneous items.....		9,505.23	15,167.21	Total.....		65,240.00	55,240.91		
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* Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
(99) For continuing the necessary improvements to establish and maintain a general experiment farm and agricultural station on the Arlington estate, in the State of Virginia, in accordance with the provisions of the Act of Congress approved April eighteenth, nineteen hundred ["\$15,000"] \$21,900: Provided, That the limitation in this Act as to the cost of farm buildings shall not apply to this paragraph (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1)		
	\$21, 900. 00	

NOTE.—The apparent increase in this item is \$6,900, but, taking into consideration the transfer to the statutory roll of one laborer at \$600, the actual increase is \$7,500. Approximately 60 additional acres of land adjoining the Government's experimental farm on the Arlington estate has been reclaimed by dredging and filling and will be available for experimental work as soon as it can be tile drained. In order to adequately utilize this area for experimental purposes, it will be necessary to provide additional equipment, such as tools, implements, and other machinery, and to enlarge the present water supply.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Horticulturist in charge.....per annum..	\$2, 400. 00	1	1
Assistant superintendent.....do.....	1, 680. 00	1	1
Wages:			
Miscellaneous and (25.....per month.....		13	2
temporary labor: (\$3 to \$1.25.....per diem.....			9
Salaries.....		\$3, 948. 00	\$4, 085. 00
Wages.....		5, 772. 00	2, 040. 00
Other objects of expenditure:			
Equipment and material.....		2, 480. 00	2, 301. 79
Miscellaneous items.....		6, 700. 00	6, 529. 56
Construction work ¹		3, 000. 00	
Total.....		21, 900. 00	14, 956. 35

¹ This construction work is to consist of 1 reinforced concrete reservoir, containing 49,000 cubic feet, at approximately 6 cents per cubic foot, \$3,000.

- (100) For investigations in foreign seed and plant introduction, including the study, collection, purchase, testing, propagation, and distribution of rare and valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants from foreign countries and from our possessions, and for experiments with reference to their introduction and cultivation in this country **["\$70,400"] (same acts)** .. 93, 040. 00

NOTE.—There is an apparent increase in this item of \$22,640, but, taking into consideration the transfer to the statutory roll of one messenger boy at \$360, the actual increase is \$23,000. This increase will be expended as follows:

Eight thousand five hundred dollars for developing new methods for the protection of valuable new plant introductions and for their propagation under conditions precluding the possibility of introducing new and dangerous plant diseases and insect pests.

Two thousand five hundred dollars to provide satisfactory buildings at the Miami, Fla., field station, including a dwelling for the plant propagator and caretaker, and greenhouses and propagating houses upon property recently donated to the department.

Two thousand dollars for enlarging the facilities for the propagation of promising new plant introductions at the Chico, Cal., station.

Ten thousand dollars for the establishment of a new plant-introduction field station at Bellingham, Wash., on a 60-acre tract of land adjacent to the present bulb-propagating garden. Private parties have offered to deed this land to the Government, and the estimate of \$10,000 is intended to cover the general equipment of the garden, including the clearing of land, erection of temporary buildings, and the general operation of the station. The need of a plant-introduction garden located where a wide range of plants adapted to humid winter and mild summer climate can be cheaply and effectively propagated and tested for distribution has long been felt. This matter has received very thorough and careful consideration, and the conclusion reached that the Puget Sound region more fully meets the requirements of the situation than any other section of the country. The cool summers, abundant rainfall, and mild winters, make possible the propagation of a wider range of nursery plants, such as are being imported in increasingly large numbers from the Orient, with

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
a view to their use in those portions of the United States where the winters are neither extremely cold nor dry. We have no Philippine Island field station where these conditions are met, and heavy losses are experienced in the effort to propagate such material at the existing stations.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agricultural explorer in charge..... per annum..	\$4,000.00	1	1		
Agricultural explorer.....do.....	2,500.00	1	1		
Agricultural explorer.....do.....	2,040.00	1	1		
Pathologist.....do.....	1,800.00	1	1		
Plant introducer.....do.....	3,500.00	1	1		
Plant introducer.....do.....	3,240.00	1	1 (10 mos.)		
Botanical assistant.....do.....	2,520.00	1	1		
Botanical assistant.....do.....	2,400.00	1	1		
Botanical assistant.....do.....	2,280.00	1	1		
Botanical assistant.....do.....	2,220.00	1	1		
Botanical assistant.....do.....	2,100.00	1	1		
Botanical assistant.....do.....	2,040.00	1	1		
Botanical assistant.....do.....	1,800.00	1	1		
Botanical assistant.....do.....	1,620.00	1	1		
Field station superintendent.....do.....	2,040.00	1	1		
Field station superintendents.....do.....	1,800.00	2	1		
Field station superintendent.....do.....	1,620.00	1	1		
Field station superintendent.....do.....	1,600.00	1	1 (1 mo.)		
Plant propagator.....do.....	1,620.00	1	1		
Plant propagator.....do.....	1,440.00	1	1		
Plant propagator.....do.....	1,200.00	1	1 (1 mo.)		
Assistants in plant introduction.....do.....	1,440.00	1	3 (temp.)		
Assistant in plant introduction.....do.....	1,200.00	1	1		
Assistant in plant introduction.....do.....	1,020.00	1	1		
Messenger boy *.....do.....	360.00	1	1		
Plant propagator, clerks, messenger boy, and collaborators, \$900 to \$1..... per annum..		15	17 (5 temp.)		
Wages:					
Miscellaneous temporary \$70 to \$25... per month..		30	22		
labor..... \$4 to \$1.50... per diem..		3	19		
Salaries.....		\$43,030.00	\$31,491.56		
Wages.....		10,454.00	7,231.00		
Other objects of expenditure:					
Stationery.....		2,000.00	1,938.51		
Traveling expenses.....		8,800.00	5,620.60		
Equipment and material.....		12,849.20	4,902.48		
Miscellaneous items.....		6,111.00	16,407.90		
Construction work.....		19,795.80	24,991.76		
Total.....		93,040.00	72,583.81		
* Transferred to statutory roll in estimates for 1918.					
¹ This construction work will consist of the following:					
Remodeling section of quarantine greenhouse on grounds of the department, 4,200 cubic feet, at 14 cents per cubic foot, and equipment \$795.46.	\$1,383.40				
Caretaker's house at Miami, Fla., containing 21,000 cubic feet, at 7 cents per cubic foot.	1,470.00				
Propagating greenhouse at Miami, Fla., containing 9,600 cubic feet, at 7.2 cents per cubic foot.....	691.20				
Lath house at Miami, Fla., containing 11,200 cubic feet, at 2.6 cents per cubic foot....	291.20				
Superintendent's cottage at Bellingham, Wash., containing 21,000 cubic feet, at 7.1 cents per cubic foot.....	1,500.00				
Office and laboratory, Bellingham, Wash., containing 16,800 cubic feet, at about 6 cents per cubic foot.....	1,000.00				
Propagating greenhouse for bulbs, at Bellingham, Wash., containing 6,000 cubic feet, at 6 cents per cubic foot.....	360.00				
Propagating greenhouse for material, at Bellingham, Wash., containing 8,000 cubic feet, at 12½ cents per cubic foot.....	1,000.00				
Curing and storage house for bulbs at Bellingham, Wash., containing 60,000 cubic feet, at 2½ cents per cubic foot....	1,500.00				
Stable at Bellingham, Wash., containing 24,000 cubic feet, at 2½ cents per cubic foot....	600.00				
Total.....	9,795.80				
² This construction work consisted of the following:					
Temporary fumigation room and extension of potting shed on grounds of the department, containing 10,312 cubic feet, at 10½ cents per cubic foot.....	\$1,082.76				
Storage shed at Brooksville, Fla., containing 9,000 cubic feet, at 7 cents per cubic foot.	630.00				
Lean-to shed addition to barn at Brooksville, Fla., containing 6,000 cubic feet, at 6 cents per cubic foot.....	360.00				
House over pumping plant at Chico, Cal., containing 3,840 cubic feet, at 8½ cents per cubic foot.....	326.40				
New bridge across slough at Chico, Cal.....	315.02				
Material purchases during fiscal year 1916 to be used in erection of new barn at Chico, Cal....	918.13				
Lean-to shed on new garden at Miami, Fla., containing 2,592 cubic feet, at 2.6 cents per cubic foot.....	67.39				
Material purchased during fiscal year 1916 to be used in extending and remodeling the potting and storage shed and boiler house, and erection of two propagating houses at station near Rockville, Md.....	1,292.06				
Total.....	4,991.76				

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.															
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																	
(101) <i>For the purchase, preparation, and irrigation of not to exceed 150 acres of land at Chico, Butte County, California, the same to be an addition to the existing 80 acres now used as a plant-introduction field station (submitted) -----</i>		\$35,000. 00															
NOTE.—This is a new item providing \$35,000 for the acquisition of 150 additional acres of land at the plant-introduction field station located near Chico, Cal. The experimental work at this point has assumed an importance necessitating additional facilities for its adequate prosecution. An area of suitable land adjacent to or near the existing tract can be purchased at a price not exceeding \$200 per acre. It is estimated that \$5,000 will be required to prepare the land for cultivation and to provide proper irrigation facilities.																	
<table> <tr> <th>Objects of expenditure.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr> <tr> <td>Equipment and material.....</td><td>\$1,000.00</td><td>.....</td></tr> <tr> <td>Purchase of land.....</td><td>30,000.00</td><td>.....</td></tr> <tr> <td>Construction work¹.....</td><td>4,000.00</td><td>.....</td></tr> <tr> <td>Total.....</td><td>35,000.00</td><td>.....</td></tr> </table>	Objects of expenditure.	Estimated, 1918.	Expended, 1916.*	Equipment and material.....	\$1,000.00	Purchase of land.....	30,000.00	Construction work ¹	4,000.00	Total.....	35,000.00		
Objects of expenditure.	Estimated, 1918.	Expended, 1916.*															
Equipment and material.....	\$1,000.00															
Purchase of land.....	30,000.00															
Construction work ¹	4,000.00															
Total.....	35,000.00															
* No appropriation for fiscal year 1916.																	
¹ The construction work contemplated is as follows: Fencing..... \$1,000.00 Grading and installation of irrigation system..... 3,000.00 Total..... 4,000.00																	
(102) <i>For the purchase, propagation, testing, and distribution of new and rare seeds; for the investigation and improvement of grasses, alfalfa, clover, and other forage crops, including the investigation of the utilization of cacti and other dry-land plants; and to conduct investigations to determine the most effective methods of eradicating weeds [\$140,920] \$139,180: Provided, That of this amount not to exceed \$60,000 may be used for the purchase and distribution of such new and rare seeds (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, sec. 1) -----</i>		139,180. 00															
NOTE.—There is an apparent decrease of \$1,740 in this item due to transfers to the statutory roll.																	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<i>Forage crop investigations.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agrostologist in charge.....per annum..	\$3,500.00	1	1		
Agrostologists.....do.....	2,040.00	2	1		
Agriculturist.....do.....	2,760.00	1	1		
Horticulturist.....do.....	2,460.00	1	1 (4½ mos.)		
Superintendent of testing gardens.....do.....	3,000.00	1	1 (4½ mos.)		
Plant propagator.....do.....	2,220.00	1	1 (4 mos.)		
Agronomist.....do.....	2,520.00	1	1		
Agronomist.....do.....	2,500.00	1	1		
Agronomists.....do.....	2,400.00	1	2 (1 for 5 mos.)		
Agronomist.....do.....	2,040.00	1	1		
Agronomists.....do.....	2,000.00	2	1		
Scientific assistants.....do.....	1,800.00	2	2 (1 for 6 mos.)		
Scientific assistant.....do.....	1,680.00	1	1		
Scientific assistants.....do.....	1,620.00	3	4		
Scientific assistants.....do.....	1,440.00	4	3		
Scientific assistants.....do.....	1,200.00	1	1		
Scientific assistant.....do.....	1,080.00	1	1		
Agent.....do.....	900.00	1	1		
Agents.....per month.....	1,440.00	4 (3 temp.)	4 (temp.)		
Field assistant.....do.....	100.00	1	1 (temp.)		
Field assistant.....do.....	120.00	1	1 (temp.)		
Clerk *.....per annum.....	900.00	1	1		
Agents, clerks, artist, student assistants, and col- laborators.....per hour.....	\$960 to \$1 per annum \$0.50.....per hour	14 (8 temp.)	15 (7 temp.)		
Wages:					
Miscellaneous and temporary labor.....	\$70 to \$25.....per annum \$2.40 to \$1.....per diem	10 5	16 35		
Salaries.....		\$46,816.00	\$42,994.58		
Wages.....		5,485.00	6,227.00		
Other objects of expenditure:					
Stationery.....		2,300.00	252.67		
Traveling expenses.....		13,160.00	11,589.09		
Equipment and material.....		6,000.00	3,562.98		
Miscellaneous items.....		5,419.00	7,684.51		
Total.....		79,180.00	72,310.83		
* Transferred to statutory roll in estimates for 1918.					
<i>New and rare field seeds (drought-resistant seeds).</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Clerks.....per month.....	\$75.00	10 (temp.)	5 (temp.)		
Wages:					
Temporary laborers.....do.....	25.00	5	1		
Salaries.....		\$4,500.00	\$320.00		
Wages.....		250.00	139.62		
Other objects of expenditure:					
Stationery.....		2,000.00	170.90		
Traveling expenses.....		650.00	139.62		
Equipment and material.....		2,000.00	13.34		
Miscellaneous items (including seeds).....		50,600.00	45,278.32		
Total.....		60,000.00	45,922.18		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																								
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																										
(103) For general administrative expenses connected with the above-mentioned lines of investigation, including the office of the chief of bureau, the assistant chief of bureau, the chief clerk, the officers in charge of publications, records, supplies, and property, and for miscellaneous expenses incident thereto (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4, and Aug. 11, 1916, vol. 39, pp. 452, 455, secs. 1</i>) -----	\$31,020.00																																																																																									
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant chief of bureau.....per annum..</td><td>\$4,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,800.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Botanical assistant.....do.....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Assistants and agents.....per month..</td><td>100.00</td><td>4 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Clerk.....per annum..</td><td>1,500.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Clerks, \$100 to \$60.....per month.....</td><td></td><td>10 (temp.)</td><td>6 (temp.)</td></tr><tr><td>Specialist in scientific and practical agriculture, artist, student assistants, laboratory aids, collaborators, and watchman.</td><td>\$840 to \$1, per annum..... \$7.50.....per diem..... \$0.50.....per hour.....</td><td>..</td><td>45 (44 temp.) 1 (temp.) 1 (temp.)</td></tr><tr><td>Chief of Office of Information *.....per annum..</td><td>3,000.00</td><td>..</td><td>1 (3 mos.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Laborers.....per month..</td><td>20.00</td><td>..</td><td>4</td></tr><tr><td>Miscellaneous and temporary labor. \$4 to \$2.....per diem.....</td><td></td><td>9 6</td><td>15 9</td></tr><tr><td>Salaries.....</td><td></td><td>\$20,108.00</td><td>\$20,235.45</td></tr><tr><td>Wages.....</td><td></td><td>2,928.00</td><td>4,017.75</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>2,000.00</td><td>2,003.33</td></tr><tr><td>Traveling expenses.....</td><td></td><td>500.00</td><td>823.97</td></tr><tr><td>Equipment and material.....</td><td></td><td>2,500.00</td><td>2,567.64</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>2,984.00</td><td>1,710.24</td></tr><tr><td>Total.....</td><td></td><td>31,020.00</td><td>31,358.38</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant chief of bureau.....per annum..	\$4,000.00	1	1	Scientific assistants.....do.....	1,800.00	2	2	Scientific assistant.....do.....	1,440.00	1	1	Botanical assistant.....do.....	1,600.00	1	1	Assistants and agents.....per month..	100.00	4 (temp.)	1 (temp.)	Clerk.....per annum..	1,500.00	1	1 (temp.)	Clerks, \$100 to \$60.....per month.....		10 (temp.)	6 (temp.)	Specialist in scientific and practical agriculture, artist, student assistants, laboratory aids, collaborators, and watchman.	\$840 to \$1, per annum..... \$7.50.....per diem..... \$0.50.....per hour.....	..	45 (44 temp.) 1 (temp.) 1 (temp.)	Chief of Office of Information *.....per annum..	3,000.00	..	1 (3 mos.)	Wages:				Laborers.....per month..	20.00	..	4	Miscellaneous and temporary labor. \$4 to \$2.....per diem.....		9 6	15 9	Salaries.....		\$20,108.00	\$20,235.45	Wages.....		2,928.00	4,017.75	Other objects of expenditure:				Stationery.....		2,000.00	2,003.33	Traveling expenses.....		500.00	823.97	Equipment and material.....		2,500.00	2,567.64	Miscellaneous items.....		2,984.00	1,710.24	Total.....		31,020.00	31,358.38		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																							
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Specialist in scientific and practical agriculture, artist, student assistants, laboratory aids, collaborators, and watchman.	\$840 to \$1, per annum..... \$7.50.....per diem..... \$0.50.....per hour.....	..	45 (44 temp.) 1 (temp.) 1 (temp.)																																																																																							
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Total.....		31,020.00	31,358.38																																																																																							
* Transferred to statutory roll in Agricultural act for 1917.																																																																																										
In all, for general expenses -----	\$1,974,530.00	\$1,866,340.00																																																																																								
Appropriations for 1908..... \$584,780	Estimates for 1909..... \$666,266																																																																																									
Appropriations for 1909..... 896,266	Estimates for 1910..... 1,127,006																																																																																									
Appropriations for 1910..... 1,180,796	Estimates for 1911..... 1,133,346																																																																																									
Appropriations for 1911..... 1,193,346	Estimates for 1912..... 1,347,326																																																																																									
Appropriations for 1912..... 1,441,536	Estimates for 1913..... 1,438,590																																																																																									
Appropriations for 1913..... 1,658,080	Estimates for 1914..... 2,099,680																																																																																									
Appropriations for 1914..... 1,944,305	Estimates for 1915..... 2,237,135																																																																																									
Appropriations for 1915..... 2,880,875	Estimates for 1916..... 1,573,275																																																																																									
Appropriations for 1916..... 1,462,460	Estimates for 1917..... 1,571,990																																																																																									
Deficiency act..... 320,000																																																																																										
Appropriations for 1917..... 1,866,340	Estimates for 1918..... 1,974,530																																																																																									

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p><i>Purchase and Distribution of Valuable Seeds—</i></p>		
<p>(104) For purchase, propagation, testing, and congressional distribution of valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants; all necessary office fixtures and supplies, fuel, transportation, paper, twine, gum, postal cards, gas, electric current, rent outside of the District of Columbia, official traveling expenses, and all necessary material and repairs for putting up and distributing the same; for repairs and the employment of local and special agents, clerks, assistants, and other labor required, in the city of Washington and elsewhere, ["\$252,540"] <i>\$243,720</i>. And the Secretary of Agriculture is hereby directed to expend the said sum, as nearly as practicable, in the purchase, testing, and distribution of such valuable seeds, bulbs, shrubs, vines, cuttings, and plants, the best he can obtain at public or private sale, and such as shall be suitable for the respective localities to which the same are to be apportioned, and in which same are to be distributed as hereinafter stated, and such seeds so purchased shall include a variety of vegetable and flower seeds suitable for planting and culture in the various sections of the United States: <i>Provided</i>, That the Secretary of Agriculture, after due advertisement and on competitive bids, is authorized to award the contract for the supplying of printed packets and envelopes and the packing, assembling, and mailing of the seeds, bulbs, shrubs, vines, cuttings, and plants, or any part thereof, for a period of not more than five years nor less than one year, if by such action he can best protect the interests of the United States. An equal proportion of five-sixths of all seeds, bulbs, shrubs, vines, cuttings, and plants, shall, upon their request, after due notification by the Secretary of Agriculture that the allotment to their respective districts is ready for distribution, be supplied to Senators, Representatives, and Delegates in Congress for distribution among their constituents, or mailed by the department upon the receipt of their addressed franks, in packages of such weight as the Secretary of Agriculture and the Postmaster General may jointly determine: <i>Provided, however</i>, That upon each envelope or wrapper containing packages of seeds the contents thereof shall be plainly indicated, and the Secretary shall not distribute to any Senator, Representative, or Delegate seeds entirely unfit for the climate and locality he represents, but shall distribute the same so that each Member may have seeds of equal value, as near as may be, and the best adapted to the locality he represents: <i>Provided, also</i>, That the seeds allotted to Senators and Representatives for distribution in the districts embraced within the twenty-fifth and thirty-fourth parallels of latitude shall be ready for delivery not later than the tenth day of January: <i>Provided, also</i>, That any portion of the allotments to Senators, Representatives, and Delegates in Congress remaining uncalled for on the first day of April shall be distributed by the Secretary of Agriculture, giving preference to those persons whose names and addresses have been furnished by Senators and Representatives in Congress and who have not before during the same season been supplied by the department: <i>And provided, also</i>, That the Secretary shall report, as provided in this act, the place, quantity, and price of seeds purchased, and the date of purchase; but nothing in this paragraph shall be construed to prevent the Secretary of Agriculture from sending seeds to those who apply for the same. And the amount herein appropriated shall not be diverted or used for any other purpose but for the purchase, testing, propagation, and distribution of valuable seeds, bulbs,</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Purchase and Distribution of Valuable Seeds—Continued.</i>					
mulberry and other rare and valuable trees, shrubs, vines, cuttings, and plants (<i>R. S.</i> , p. 88, secs. 526, 527, and act Aug. 11, 1916, vol. 39, pp. 455, 456, sec. 1)-----				\$243, 720.00	\$252,540.00
NOTE.—There is an apparent decrease of \$8,820 in this item, but, taking into consideration transfers to the statutory roll aggregating \$1,320, the actual decrease is \$7,500. The decrease is due to the transfer of this amount to the item for horticultural investigations for use in connection with the cultivation and propagation of bulbs. Since this work heretofore has been primarily that of testing and propagating bulbs for congressional distribution and has been carried by the appropriation for congressional seed distribution, there is in reality no actual reduction in the amount available for the purchase and distribution of seeds.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,000.00	1	1		
Superintendent of testing gardens.....do....	3,000.00	1	1 (7½ mos.)		
Assistant superintendent of testing gardens, per annum.....	2,760.00	1	1		
Horticulturist.....per annum.....	2,460.00	1	1 (7½ mos.)		
Agronomist.....do.....	2,400.00	..	1 (7 mos.)		
Scientific assistant.....do.....	1,800.00	..	1 (6 mos.)		
Scientific assistant.....do.....	1,020.00	..	1 (3½ mos.)		
Plant propagator.....do.....	1,080.00	..	1		
Clerks, student assistants, watchmen, and collaborators, \$900 to \$1.....per annum.....	..	2 (6 mos.)	12 (11 temp.)		
Messenger boy *.....do.....	480.00	..	1		
Messenger boy *.....do.....	360.00	..	1		
Wages:					
Miscellaneous and temporary labor—					
\$50 to \$25.....per month.....	..	3	21		
\$4 to \$2.....per diem.....	..	1	16		
\$0.15.....per hour.....	..	..	11		
Salaries.....		\$11,520.00	\$16,134.15		
Wages.....		1,526.00	7,316.70		
Other objects of expenditure:					
Stationery.....		5,000.00	1,900.24		
Traveling expenses.....		2,000.00	1,088.98		
Equipment and material.....		5,000.00	6,319.36		
Miscellaneous items (including seeds).....		218,674.00	219,155.85		
Total.....		243,720.00	251,915.28		
* Transferred to statutory roll in estimates for 1918.					
Appropriations for 1908.....	\$238,000	Estimates for 1909.....	\$249,000		
Deficiency Appropriation.....	50,000	Estimates for 1910.....	243,680		
Appropriations for 1909.....	258,000	Estimates for 1911.....	309,590		
Appropriations for 1910.....	317,960	Estimates for 1912.....	301,680		
Appropriations for 1911.....	309,590	Estimates for 1913.....	285,680		
Appropriations for 1912.....	289,680	Estimates for 1914.....	263,900		
Appropriations for 1913.....	285,680	Estimates for 1915.....	..		
Appropriations for 1914.....	296,000	Estimates for 1916.....	252,540		
Appropriations for 1915.....	257,090	Estimates for 1917.....	252,540		
Appropriations for 1916.....	252,540	Estimates for 1918.....	243,720		
Appropriations for 1917.....	252,540				
Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).					
GENERAL EXPENSES, BUREAU OF PLANT INDUSTRY.					
1 clerk, \$1,500 per annum.					
2 clerks, at \$1,200 per annum each.					
23 clerks, at \$900 per annum each.					
1 clerk, \$1,020 per annum.					
3 clerks, at \$840 per annum each.					
8 clerks, at \$720 per annum each.					
PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.					
6 clerks, at \$900 per annum each.					
1 clerk, \$840 per annum.					
1 clerk, \$720 per annum.					
Total for Bureau of Plant Industry-----				2,640,910.00	2,537,120.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
FOREST SERVICE.		
<i>Salaries, Forest Service—</i>		
(1) One forester, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1, and Aug. 11, 1916, vol. 39, pp. 456, 457, sec. 1</i>)	\$5,000.00	
(2) One chief of office of accounts and fiscal agent (increase of \$250) (<i>same acts</i>)	2,750.00	
NOTE.—This employee supervises all the accounting work of the Forest Service. He has served 17 years in the department and, although the responsibilities of the position have greatly increased in recent years, he has had no increase in salary since 1910.		
(3) One inspector of records (by transfer from lump fund for general administration) (<i>same acts</i>)	2,400.00	
(4) Seven district fiscal agents, at \$2,250 each (increase of \$250 each) (<i>same acts</i>)	15,750.00	
NOTE.—These officers are in charge of the disbursing, receiving, and accounting work at the district headquarters and have large financial responsibilities. There has been no change in the salaries of these positions since 1910, the present salaries being below those paid by other departments for similar service.		
(5) One forest supervisor (<i>same acts</i>)	2,800.00	
(6) One forest supervisor (<i>same acts</i>)	2,700.00	
(7) Eight forest supervisors, at \$2,400 each (<i>same acts</i>)	19,200.00	
(8) Twenty forest supervisors, at \$2,200 each (<i>same acts</i>)	44,000.00	
(9) Forty-eight forest supervisors, at \$2,000 each (<i>same acts</i>)	96,000.00	
(10) Sixty-six forest supervisors, at \$1,800 each (<i>same acts</i>)	118,800.00	
(11) Five forest supervisors, at \$1,600 each (<i>same acts</i>)	8,000.00	
(12) One deputy forest supervisor (<i>same acts</i>)	1,800.00	
(13) Four deputy forest supervisors, at \$1,700 each (<i>same acts</i>)	6,800.00	
(14) Twenty-eight deputy forest supervisors, at \$1,600 each (<i>same acts</i>)	44,800.00	
(15) Thirty-one deputy forest supervisors, at \$1,500 each (<i>same acts</i>) ..	46,500.00	
(16) Eighteen deputy forest supervisors, at \$1,400 each (<i>same acts</i>) ..	25,200.00	
(17) Ten forest rangers, at \$1,500 each (<i>same acts</i>)	15,000.00	
(18) Twenty-two forest rangers, at \$1,400 each (<i>same acts</i>)	30,800.00	
(19) Seventy-eight forest rangers, at \$1,300 each (<i>same acts</i>)	101,400.00	
(20) Two hundred and eighty-seven forest rangers, at \$1,200 each (<i>same acts</i>)	344,400.00	
(21) Six hundred and fifty forest rangers, at \$1,100 each (<i>same acts</i>) ..	715,000.00	
(22) Eighty forest guards, at \$1,100 each, for periods not exceeding six months in the aggregate (<i>same acts</i>)	44,000.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Forest Service—Continued.</i>		
(23) One clerk (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1, and Aug. 11, 1916, vol. 39, pp. 456, 457, sec. 1) --	\$2, 100. 00	
(24) Four clerks, at \$2,000 each (<i>same acts</i>) -----	8, 000. 00	
(25) Nineteen clerks, at \$1,800 each (<i>same acts</i>) -----	34, 200. 00	
(26) Twenty-one clerks, at \$1,600 each (<i>same acts</i>) -----	33, 600. 00	
(27) Nine clerks, at \$1,500 each (<i>same acts</i>) -----	13, 500. 00	
(28) Twenty-two clerks, at \$1,400 each (increase of 1 by transfer from lump fund for general administration) (<i>same acts</i>) -----	30, 800. 00	
(29) Nine clerks, at \$1,300 each (<i>same acts</i>) -----	11, 700. 00	
(30) One hundred and thirty-six clerks, at \$1,200 each (increase of 22, 19 by transfer from lump fund for national forests, 2 from general administration, and 1 from survey of lands) (<i>same acts</i>) --	163, 200. 00	
(31) Ninety-five clerks, at \$1,100 each (increase of 6, 5 by transfer from lump fund for national forests, and 1 from agricultural land classification) (<i>same acts</i>) -----	104, 500. 00	
(32) Fifty-three clerks, at \$1,020 each (increase of 2 by transfer from lump fund for national forests) (<i>same acts</i>) -----	54, 060. 00	
(33) Thirty clerks, at \$960 each (<i>same acts</i>) -----	28, 800. 00	
(34) One hundred and seventeen clerks, at \$900 each (increase of 11, 6 by transfer from lump fund for national forests, 1 from agricultural land classification, 1 from survey of lands, 2 from maintenance and supplies, and 1 from forest products) (<i>same acts</i>) -	105, 300. 00	
(35) Two clerks, at \$840 each (<i>same acts</i>) -----	1, 680. 00	
(36) One clerk or proof reader (<i>same acts</i>) -----	1, 400. 00	
(37) One clerk or translator (increase of \$100) (<i>same acts</i>) -----	1, 500. 00	
NOTE.—The duties of this employee consist of translating into English technical and scientific reports and articles in forestry publications written in various foreign languages. She has been engaged in this work since 1907. The increase recommended will make her compensation comparable with that paid for similar service in other departments. She has been in the service 12 years, receiving her last promotion March 1, 1913.		
(38) One compiler (<i>same acts</i>) -----	1, 800. 00	
(39) One draftsman (<i>same acts</i>) -----	2, 000. 00	
(40) Two draftsmen or surveyors, at \$1,800 each (1 by transfer from lump fund for survey of lands, and 1 in lieu of 1 draftsman at \$1,600, with increase of \$200) (<i>same acts</i>) -----	3, 600. 00	
NOTE.—A promotion of \$200 is recommended for one of the principal draftsmen of the service, who assists in the supervision of the work of other draftsmen. He has been in the department over 13 years and has had no increase in salary since July 1, 1908. The change in designation is recommended in order that, if the needs of the service require it, the position may be filled by the appointment of a surveyor in the event of a vacancy.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Forest Service—Continued.</i>		
(41) Two draftsmen, at \$1,600 each (decrease of 1 by change to draftsman or surveyor, \$1,800) (<i>R. S., p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1, and Aug. 11, 1916, vol. 39, pp. 456, 457, sec. 1</i>) -----	\$3, 200. 00	
NOTE.—See note under item 40.		
(42) One clerk or compositor (<i>same acts</i>) -----	1, 600. 00	
(43) Two draftsmen or surveyors, at \$1,600 each (by transfer from lump fund for agricultural land classification) (<i>same acts</i>) ----	3, 200. 00	
(44) Thirteen draftsmen or surveyors, at \$1,500 each (increase of 12, 6 by transfer from lump funds for agricultural land classification, and 6 from survey of lands) (<i>same acts</i>) -----	19, 500. 00	
(45) Two draftsmen or surveyors, at \$1,400 each (<i>same acts</i>) -----	2, 800. 00	
(46) Two draftsmen, at \$1,500 each (<i>same acts</i>) -----	3, 000. 00	
(47) Nine draftsmen, at \$1,400 each (increase of 3, 1 by transfer from lump fund for agricultural land classification, and 2 from survey of lands) (<i>same acts</i>) -----	12, 600. 00	
(48) Four draftsmen, at \$1,300 each (<i>same acts</i>) -----	5, 200. 00	
(49) Thirteen draftsmen, at \$1,200 each (increase of 2 by transfer from lump fund for agricultural land classification) (<i>same acts</i>) -----	15, 600. 00	
(50) Two draftsmen, at \$1,100 each (<i>same acts</i>) -----	2, 200. 00	
(51) Three draftsmen, at \$1,020 each (<i>same acts</i>) -----	3, 060. 00	
(52) One draftsman (<i>same acts</i>) -----	1, 000. 00	
(53) One draftsman (<i>same acts</i>) -----	960. 00	
(54) Twelve draftsmen or map colorists, at \$900 each (increase of 4 by transfer from lump fund for agricultural land classification) (<i>same acts</i>) -----	10, 800. 00	
(55) One draftsman or artist (<i>same acts</i>) -----	1, 200. 00	
(56) One draftsman or negative cutter (<i>same acts</i>) -----	1, 200. 00	
(57) One artist (<i>same acts</i>) -----	1, 600. 00	
(58) One artist (<i>same acts</i>) -----	1, 000. 00	
(59) One photographer (increase of \$200) (<i>same acts</i>) -----	1, 800. 00	
NOTE.—This employee has charge of the photographic laboratory of the Forest Service and directs the work of six or eight assistants. He has served 15 years and has had no promotion since May 12, 1912, during which time his responsibilities have steadily increased.		
(60) One photographer (<i>same acts</i>) -----	1, 400. 00	
(61) One photographer (<i>same acts</i>) -----	1, 200. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Forest Service—Continued.</i>		
(62) One photographer (<i>R. S.</i> , p. 87, secs. 520–523; acts <i>Mar. 2, 1901</i> , vol. 31, p. 929, sec. 1, and <i>Aug. 11, 1916</i> , vol. 39, pp. 456, 457, sec. 1) . . .	\$1, 100. 00	
(63) One lithographer (<i>same acts</i>)	1, 200. 00	
(64) One lithographer's helper (<i>same acts</i>)	780. 00	
(65) One blue-printer (<i>same acts</i>)	720. 00	
(66) One machinist (increase of \$120) (<i>same acts</i>)	1, 380. 00	
NOTE.—A small increase in salary is recommended for the employee who is in charge of the machinery at the Forest Products Laboratory, Madison, Wis. He also assists the scientific and technical employees of the laboratory in the designing of machinery needed in connection with the experimental work. His present salary is less than that paid for similar service in other laboratories which are maintained in cooperation with the University of Wisconsin. He has served over six years in the department, during which time he has had no promotion.		
(67) Two carpenters, at \$1,200 each (<i>same acts</i>)	2, 400. 00	
(68) Three carpenters, at \$1,000 each (increase of 1 by transfer from lump fund for forest products) (<i>same acts</i>)	3, 000. 00	
(69) One carpenter (<i>same acts</i>)	960. 00	
(70) One electrician (<i>same acts</i>)	1, 020. 00	
(71) One laboratory aid and engineer (<i>same acts</i>)	1, 000. 00	
(72) Nine laboratory aids and engineers, at \$900 each (increase of 3 by transfer from lump fund for forest products) (<i>same acts</i>)	8, 100. 00	
(73) Two laboratory aids and engineers, at \$800 each (<i>same acts</i>)	1, 600. 00	
(74) One laboratory helper (<i>same acts</i>)	720. 00	
(75) One laboratory helper (<i>same acts</i>)	600. 00	
(76) One packer (<i>same acts</i>)	1, 000. 00	
(77) One packer (<i>same acts</i>)	780. 00	
(78) Four watchmen, at \$840 each (<i>same acts</i>)	3, 360. 00	
(79) One messenger or laborer (<i>same acts</i>)	960. 00	
(80) Three messengers or laborers, at \$900 each (<i>same acts</i>)	2, 700. 00	
(81) Four messengers or laborers, at \$840 each (<i>same acts</i>)	3, 360. 00	
(82) Three messengers or laborers, at \$780 each (<i>same acts</i>)	2, 340. 00	
(83) Four messengers or laborers, at \$720 each (<i>same acts</i>)	2, 880. 00	
(84) Six messengers or laborers, at \$660 each (<i>same acts</i>)	3, 960. 00	
(85) Five messengers, messenger boys, or laborers, at \$600 each (<i>same acts</i>)	3, 000. 00	
(86) Two messengers, messenger boys, or laborers, at \$540 each (<i>same acts</i>)	1, 080. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Forest Service—Continued.</i>			
(87) Three messengers or messenger boys, at \$480 each (<i>R. S., p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1, and Aug. 11, 1916, vol. 39, pp. 456, 457, sec. 1</i>)	\$1, 440. 00		
(88) Three messengers or messenger boys, at \$420 each (<i>same acts</i>) ...	1, 260. 00		
(89) Eleven messengers or messenger boys, at \$360 each (<i>same acts</i>) ..	3, 960. 00		
(90) One charwoman (<i>same acts</i>)	540. 00		
(91) One charwoman (<i>same acts</i>)	480. 00		
(92) One charwoman (<i>same acts</i>)	300. 00		
(93) Eleven charwomen, at \$240 each (<i>same acts</i>)	2, 640. 00		
		\$2,449,580.00	\$2,361,320.00
Appropriations for 1908.....	\$143, 200	Estimates for 1909.....	\$144, 300
Appropriations for 1909.....	144, 300	Estimates for 1910.....	60, 200
Appropriations for 1910.....	60, 200	Estimates for 1911.....	60, 200
Appropriations for 1911.....	60, 200	Estimates for 1912.....	2, 318, 680
Appropriations for 1912.....	2, 318, 680	Estimates for 1913.....	2, 290, 610
Appropriations for 1913.....	2, 235, 760	Estimates for 1914.....	2, 212, 810
Appropriations for 1914.....	2, 239, 560	Estimates for 1915.....	2, 305, 160
Appropriations for 1915.....	2, 305, 160	Estimates for 1916.....	2, 335, 580
Appropriations for 1916.....	2, 335, 580	Estimates for 1917.....	2, 361, 120
Appropriations for 1917.....	2, 361, 320	Estimates for 1918.....	2, 449, 580
NOTE.—Apparent increase, \$88,260; actual increase, \$2,620, as follows:			
<i>Promotions.</i>			
1 chief of office of accounts and fiscal agent, from \$2,500 to \$2,750.....	\$250		
7 district fiscal agents, from \$2,000 each to \$2,250 each.....	1, 750		
1 clerk or translator, from \$1,400 to \$1,500.....	100		
1 draftsman, \$1,600, to 1 draftsman or surveyor, \$1,800.....	200		
1 photographer, from \$1,600 to \$1,800.....	200		
1 machinist, from \$1,260 to \$1,380.....	120		
Actual increase.....	\$2, 620		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>			
1 inspector of records, from general administration.....	\$2, 400		
1 clerk, from general administration.....	1, 400		
22 clerks, at \$1,200 each, 19 from national forests, 2 from general administration, and 1 from survey of lands.....	26, 400		
6 clerks, at \$1,100 each, 5 from national forests, and 1 from agricultural land classification.....	6, 600		
2 clerks, at \$1,020 each, from national forests.....	2, 040		
11 clerks, at \$900 each, 6 from national forests, 2 from maintenance and supplies, 1 from agricultural land classification, 1 from survey of lands, and 1 from forest products.....	9, 900		
1 draftsman or surveyor, from survey of lands.....	1, 800		
2 draftsmen or surveyors, at \$1,600 each, from agricultural land classification.....	3, 200		
12 draftsmen or surveyors, at \$1,500 each, 6 from agricultural land classification, and 6 from survey of lands.....	18, 000		
3 draftsmen, at \$1,400 each, 2 from survey of lands, and 1 from agricultural land classification.....	4, 200		
2 draftsmen, at \$1,200 each, from agricultural land classification.....	2, 400		
4 draftsmen, or map colorists, at \$900 each, from agricultural land classification.....	3, 600		
1 carpenter, from forest products.....	1, 000		
3 laboratory aids and engineers, at \$900 each, from forest products.....	2, 700		
	85, 640		
Apparent increase.....	88, 260		
<i>Change of title.</i>			
1 draftsman or surveyor, \$1,800, in lieu of 1 draftsman, \$1,600.			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p><i>General Expenses, Forest Service—</i></p> <p>(94) To enable the Secretary of Agriculture to experiment and to make and continue investigations and report on forestry, national forests, forest fires, and lumbering, but no part of this appropriation shall be used for any experiment or test made outside the jurisdiction of the United States, <i>except that investigations in forestry and forest utilization of commercial importance to industries in the United States may be made in foreign countries</i>; to advise the owners of woodlands as to the proper care of the same; to investigate and test American timber and timber trees and their uses, and methods for the preservative treatment of timber; to seek, through investigations and the planting of native and foreign species, suitable trees for the treeless regions; to erect necessary buildings: <i>Provided, That the cost of any building erected shall not exceed \$650</i>; to pay all expenses necessary to protect, administer, and improve the national forests; to ascertain the natural conditions upon and utilize the national forests; and the Secretary of Agriculture may, in his discretion, permit timber and other forest products cut or removed from the national forests to be exported from the State or Territory in which said forests are respectively situated; to transport and care for fish and game supplied to stock the national forests or the waters therein; to employ agents, clerks, assistants, and other labor required in practical forestry and in the administration of national forests in the city of Washington and elsewhere; to collate, digest, report, and illustrate the results of experiments and investigations made by the Forest Service; to purchase necessary supplies, apparatus, and office fixtures, and technical books and technical journals for officers of the Forest Service stationed outside of Washington, and for medical supplies and services and other assistance necessary for immediate relief of artisans, laborers, and other employees engaged in any hazardous work under the Forest Service; to pay freight, express, telephone, and telegraph charges; for electric light and power, fuel, gas, ice, washing towels, and official traveling and other necessary expenses, including traveling expenses for legal and fiscal officers while performing Forest Service work; and for rent outside of the District of Columbia, as follows (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1</i>):</p> <p>NOTE.—New language has been added to this paragraph authorizing the Forest Service to make investigations of forestry and forest utilization in foreign countries, especially in Latin America. There is a constantly increasing demand by American manufacturers and other users for information regarding the properties of wood, timber, and other forest products from Central and South America and Mexico. The developing trade between the United States and the Latin American countries, involving imports of tropical forest products and the export of American woods, makes it essential to secure a body of knowledge regarding these materials. Such knowledge does not exist to-day.</p> <p>(95) For salaries and field and station expenses, including the maintenance of nurseries, collecting seed, and planting necessary for the use, maintenance, improvement, and protection of the national forests named below (<i>same acts</i>):</p> <p>NOTE.—There have been a number of adjustments in the appropriations to the individual forests, increases being recommended in some cases and decreases in others, and five forests have been eliminated through consolidation with</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
<p>other forests, resulting in a net increase for all the forests of \$22,260. A decrease of \$6,200 is shown for general administration, making an apparent increase in the entire item of \$16,060. Taking into consideration transfers to the statutory roll aggregating \$41,940, the actual increase is \$58,000. This sum is necessary more effectively to meet the needs of fire protection and the fluctuation in the volume of business transactions on the different forests. It is proposed to use the increase as follows:</p> <p>Twenty-seven thousand four hundred dollars for the employment of additional short-term lookouts, patrolmen, and guards in the prevention, protection, and suppression of fires on the national forests. The present appropriations for certain national forests are inadequate effectively to safeguard the timber.</p> <p>Twenty-two thousand two hundred dollars for additional scalers and for brush burning and other expenses incident to the increased timber sales. The timber sales business on certain forests has so increased that it can not be properly handled with the present force.</p> <p>Eight thousand four hundred dollars for additional grazing examiners, whose services are urgently needed properly to handle the allotment of range and to meet other problems incident to the grazing of live stock on the national forests.</p>		
(96) Absaroka National Forest, Montana 【\$7,425】 -----		\$6, 703. 00
(97) 【Alamo National Forest, New Mexico, \$4,222.】		
<p>NOTE.—To promote efficiency of administration this forest has been consolidated with the Lincoln National Forest, N. Mex. This apparent decrease is offset by a corresponding increase in the item for the Lincoln National Forest.</p>		
(98) Angeles National Forest, California 【\$9,510】 -----		11, 926. 00
(99) Apache National Forest, Arizona 【\$9,279】 -----		8, 079. 00
(100) Arapahoe National Forest, Colorado-----		5, 736. 00
(101) Arkansas National Forest, Arkansas 【\$11,930】 ----		10, 730. 00
(102) Ashley National Forest, Utah and Wyoming-----		3, 865. 00
(103) Battlement National Forest, Colorado-----		4, 916. 00
(104) Beartooth National Forest, Montana 【\$5,060】 ----		4, 313. 00
(105) Beaverhead National Forest, Montana and Idaho 【\$7,800】 -----		5, 296. 00
(106) Bighorn National Forest, Wyoming 【\$5,399】 -----		6, 937. 00
(107) Bitterroot National Forest, Montana 【\$12,919】 ---		10, 367. 00
(108) Blackfeet National Forest, Montana 【\$12,369】 ----		12, 969. 00
(109) Black Hills National Forest, South Dakota-----		12, 668. 00
(110) Boise National Forest, Idaho-----		5, 247. 00
(111) Bridger National Forest, Wyoming 【\$2,779】 -----		3, 159. 00
(112) Cabinet National Forest, Montana 【\$8,333】 -----		9, 133. 00
(113) Cache National Forest, Utah and Idaho 【\$4,749】 -		2, 207. 00
(114) California National Forest, California 【\$18,114】 ..		15, 028. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(115) Caribou National Forest, Idaho and Wyoming 【\$4,300】 -----	\$6, 403. 00	
(116) Carson National Forest, New Mexico 【\$7,834】 ----	9, 302. 00	
(117) Cascade National Forest, Oregon -----	7, 835. 00	
(118) Challis National Forest, Idaho -----	3, 668. 00	
(119) Chelan National Forest, Washington -----	6, 260. 00	
(120) 【Chiricahua National Forest, Arizona and New Mexico, \$2,558.】		
NOTE.—This forest has been consolidated with the Coronado National Forest, Ariz., and the \$2,558 added to the latter item.		
(121) Chugach National Forest, Alaska 【\$9,418】 -----	10, 938. 00	
(122) Clearwater National Forest, Idaho -----	12, 665. 00	
(123) Cleveland National Forest, California 【\$9,633】 ----	8, 433. 00	
(124) Cochetopa National Forest, Colorado -----	5, 931. 00	
(125) Coconino National Forest, Arizona -----	12, 107. 00	
(126) Coeur d'Alene National Forest, Idaho 【\$24,459】 --	39, 117. 00	
(127) Colorado National Forest, Colorado 【\$5,929】 -----	3, 959. 00	
(128) Columbia National Forest, Washington 【\$8,758】 --	9, 758. 00	
(129) Colville National Forest, Washington -----	6, 883. 00	
(130) Coronado National Forest, Arizona 【\$6,486】 -----	9, 044. 00	
(131) Crater National Forest, Oregon and California 【\$14,893】 -----	19, 288. 00	
(132) Crook National Forest, Arizona -----	3, 735. 00	
(133) Custer National Forest, Montana -----	2, 830. 00	
(134) Datil National Forest, New Mexico 【\$13,229】 ----	11, 009. 00	
(135) Deerlodge National Forest, Montana 【\$15,040】 ----	19, 813. 00	
(136) Deschutes National Forest, Oregon 【\$8,259】 -----	10, 175. 00	
(137) Dixie National Forest, Utah and Arizona -----	1, 596. 00	
(138) Durango National Forest, Colorado 【\$6,873】 -----	4, 964. 00	
(139) Eldorado National Forest, California and Nevada 【\$13,238】 -----	10, 238. 00	
(140) Fillmore National Forest, Utah 【\$3,374】 -----	4, 987. 00	
(141) Fishlake National Forest, Utah 【\$4,060】 -----	2, 320. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(142) Flathead National Forest, Montana [\$22,000] -----	\$25,900. 00	
(143) Florida National Forest, Florida-----	4,927. 00	
(144) Fremont National Forest, Oregon [\$7,985] -----	6,627. 00	
(145) Gallatin National Forest, Montana-----	4,810. 00	
(146) Gila National Forest, New Mexico [\$10,175] -----	8,907. 00	
(147) Gunnison National Forest, Colorado-----	5,371. 00	
(148) Harney National Forest, South Dakota [\$7,435] --	6,535. 00	
(149) Hayden National Forest, Wyoming and Colorado [\$7,358] -----	5,868. 00	
(150) Helena National Forest, Montana-----	4,012. 00	
(151) Holy Cross National Forest, Colorado-----	6,394. 00	
(152) Humboldt National Forest, Nevada [\$3,509] -----	5,780. 00	
(153) Idaho National Forest, Idaho [\$7,450] -----	11,585. 00	
(154) Inyo National Forest, California and Nevada-----	3,076. 00	
(155) Jefferson National Forest, Montana [\$8,469] -----	5,964. 00	
(156) Kaibab National Forest, Arizona [\$4,288] -----	2,708. 00	
(157) Kaniksu National Forest, Idaho and Washington [\$19,146] -----	25,146. 00	
(158) Klamath National Forest, California [\$23,076] ---	20,249. 00	
(159) Kootenai National Forest, Montana [\$16,861] ---	17,861. 00	
(160) La Sal National Forest, Utah and Colorado-----	2,754. 00	
(161) Lassen National Forest, California [\$15,381] ----	14,181. 00	
(162) Leadville National Forest, Colorado-----	5,524. 00	
(163) Lemhi National Forest, Idaho-----	2,490. 00	
(164) Lewis and Clark National Forest, Montana [\$5,700]	5,915. 00	
(165) Lincoln National Forest, New Mexico [\$3,845] ---	8,067. 00	
(166) Lolo National Forest, Montana [\$16,638] -----	11,939. 00	
(167) Luquillo National Forest, Porto Rico-----	2,500. 00	
(168) Madison National Forest, Montana-----	3,930. 00	
(169) Malheur National Forest, Oregon-----	7,591. 00	
(170) Manti National Forest, Utah [\$4,890] -----	5,090. 00	
(171) Manzano National Forest, New Mexico-----	4,230. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(172) Medicine Bow National Forest, Wyoming 【\$7,944】	\$6, 450. 00	
(173) Michigan National Forest, Michigan 【\$3,081】	1, 981. 00	
(174) Minam National Forest, Oregon	6, 476. 00	
(175) Minidoka National Forest, Idaho and Utah 【\$3,384】	4, 709. 00	
(176) Minnesota National Forest, Minnesota	2, 970. 00	
(177) Missoula National Forest, Montana 【\$8,380】	9, 380. 00	
(178) Modoc National Forest, California	7, 388. 00	
(179) Mono National Forest, Nevada and California 【\$2,847】	1, 647. 00	
(180) Monterey National Forest, California 【\$3,050】	4, 547. 00	
(181) Montezuma National Forest, Colorado	4, 670. 00	
(182) Nebraska National Forest, Nebraska, 【\$2,365】 \$1,165; and to extend the work to the Niobrara division thereof, \$5,000: <i>Provided</i> , That from the nurseries on said forest the Secretary of Agriculture, under such rules and regulations as he may prescribe, may furnish young trees free, so far as they may be spared, to residents of the territory covered by "An Act increasing the area of homesteads in a portion of Nebraska," approved April twenty-eighth, nineteen hundred and four: <i>Provided further</i> , That the Secretary of Agriculture is authorized to use so much of any of the funds herein appropriated for the Nebraska National Forest as may be necessary to acquire by purchase or condemnation lands in Nebraska which he may deem necessary and suitable for nursery sites to be used for the purpose of growing trees for planting on the Nebraska National Forest, and for other purposes authorized by law. So much, not exceeding \$1,200, of any funds hereafter appropriated for the Nebraska National Forest for any fiscal year to and including the fiscal year ending June thirtieth, nineteen hundred and twenty, as may be necessary, shall be available for the purchase of land now under lease and used as a nursery site for the Niobrara division of the Nebraska National Forest 【\$7,365】	6, 165. 00	

NOTE.—The new language in this item will permit the department to acquire two small tracts of private land which are necessary in carrying on the nursery work authorized therein. The first tract contains about 18.25 acres. Through an error in the public-land surveys this tract was inadvertently included in the principal nursery which supplied the Nebraska National Forest when that nursery was established. The second tract, containing approximately 80 acres, constitutes the Niobrara nursery site which for several years has been in use under lease, with an option for purchase. The addition of these tracts is essential to the successful development of reforestation in Nebraska, and suitable national-forest land is not available for the purpose.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(183) Nevada National Forest, Nevada 【\$3,244】 -----	\$2, 277. 00	
(184) Nez Perce National Forest, Idaho 【\$10,120】 -----	12, 620. 00	
(185) Ochoco National Forest, Oregon -----	6, 451. 00	
(186) Okanogan National Forest, Washington 【\$9,994】 -	8, 964. 00	
(187) Olympic National Forest, Washington -----	16, 598. 00	
(188) Oregon National Forest, Oregon 【\$12,560】 -----	6, 009. 00	
(189) Ozark National Forest, Arkansas -----	9, 030. 00	
(190) 【Palisade National Forest, Idaho and Wyoming, \$4,235.】		
NOTE.—This forest has been consolidated with the Targhee National Forest, Idaho and Wyoming.		
(191) Payette National Forest, Idaho -----	10, 537. 00	
(192) Pend Oreille National Forest, Idaho 【\$10,320】 ---	12, 020. 00	
(193) Pike National Forest, Colorado 【\$10,165】 -----	13, 373. 00	
(194) Plumas National Forest, California -----	20, 594. 00	
(195) Powell National Forest, Utah -----	1, 010. 00	
(196) Prescott National Forest, Arizona -----	6, 255. 00	
(197) Rainier National Forest, Washington 【\$12,035】 -	13, 035. 00	
(198) Rio Grande National Forest, Colorado -----	7, 157. 00	
(199) Routt National Forest, Colorado -----	6, 585. 00	
(200) 【Ruby National Forest, Nevada, \$2,570.】		
NOTE.—This forest and the Santa Rosa National Forest, Nev., have been consolidated with the Humboldt National Forest, Nev. The total provision for these three forests is for the current fiscal year \$7,722. The proposed appropriation of \$5,780 for the combined units for next year is therefore \$1,942 less than at present.		
(201) Saint Joe National Forest, Idaho 【\$16,700】 -----	15, 830. 00	
(202) Salmon National Forest, Idaho 【\$7,784】 -----	6, 577. 00	
(203) San Isabel National Forest, Colorado -----	3, 924. 00	
(204) San Juan National Forest, Colorado -----	5, 534. 00	
(205) Santa Barbara National Forest, California -----	9, 774. 00	
(206) Santa Fe National Forest, New Mexico -----	14, 673. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(207) 【Santa Rosa National Forest, Nevada, \$1,643.】		
NOTE.—This forest has been consolidated with the Humboldt National Forest, Nev. See note under item 200.		
(208) Santiam National Forest, Oregon 【\$9,052】 -----	\$7, 852. 00	
(209) Sawtooth National Forest, Idaho-----	4, 953. 00	
(210) Selway National Forest, Idaho 【\$12,659】 -----	17, 112. 00	
(211) Sequoia National Forest, California 【\$17,366】 ----	16, 346. 00	
(212) Sevier National Forest, Utah 【\$1,496】 -----	2, 110. 00	
(213) Shasta National Forest, California-----	17, 425. 00	
(214) Shoshone National Forest, Wyoming 【\$4,200】 ----	7, 381. 00	
(215) Sierra National Forest, California-----	15, 750. 00	
(216) Sioux National Forest, South Dakota and Montana.	2, 640. 00	
(217) Siskiyou National Forest, Oregon and California 【\$10,660】 -----	12, 660. 00	
(218) Sitgreaves National Forest, Arizona 【\$6,941】 -----	8, 341. 00	
(219) Siuslaw National Forest, Oregon-----	6, 042. 00	
(220) Snoqualmie National Forest, Washington 【\$14,416】	12, 366. 00	
(221) Sopris National Forest, Colorado 【\$7,911】 -----	5, 411. 00	
(222) Stanislaus National Forest, California 【\$17,822】 --	16, 922. 00	
(223) Superior National Forest, Minnesota 【\$8,054】 ----	9, 809. 00	
(224) Tahoe National Forest, California and Nevada 【\$17,537】 -----	16, 337. 00	
(225) Targhee National Forest, Idaho and Wyoming 【\$5,956】 -----	9, 558. 00	
(226) Teton National Forest, Wyoming 【\$4,033】 -----	4, 404. 00	
(227) Toiyabe National Forest, Nevada-----	3, 694. 00	
(228) Tongass National Forest, Alaska 【\$13,724】 -----	12, 524. 00	
(229) Tonto National Forest, Arizona-----	4, 525. 00	
(230) Trinity National Forest, California-----	20, 484. 00	
(231) Tusayan National Forest, Arizona-----	9, 541. 00	
(232) Uinta National Forest, Utah 【\$6,327】 -----	5, 727. 00	
(233) Umatilla National Forest, Oregon 【\$5,162】 -----	6, 562. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(234) Umpqua National Forest, Oregon 【\$10,309】 -----	\$10, 109. 00	
(235) Uncompahgre National Forest, Colorado-----	6, 690. 00	
(236) Wallowa National Forest, Oregon 【\$8,217】 -----	9, 617. 00	
(237) Wasatch National Forest, Utah 【\$5,585】 -----	7, 300. 00	
(238) Washakie National Forest, Wyoming 【\$11,725】 ---	7, 726. 00	
(239) Washington National Forest, Washington-----	7, 642. 00	
(240) Weiser National Forest, Idaho 【\$9,708】 -----	6, 493. 00	
(241) Wenaha National Forest, Washington and Oregon--	5, 420. 00	
(242) Wenatchee National Forest, Washington 【\$10,384】 -	11, 884. 00	
(243) White River National Forest, Colorado 【\$7,172】 --	6, 272. 00	
(244) Whitman National Forest, Oregon 【\$9,667】 -----	17, 425. 00	
(245) Wichita National Forest, Oklahoma-----	2, 416. 00	
(246) Wyoming National Forest, Wyoming 【\$4,739】 ---	5, 089. 00	
(247) Additional national forests created or to be created under section eleven, of the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes at Large, page nine hundred and sixty-three), and lands under contract for purchase or for the acquisition of which condemnation proceedings have been instituted for the purposes of said Act: <i>Provided, That hereafter, all moneys received on account of permits for hunting, fishing, or camping, on lands acquired under authority of said Act, or any amendment or extension thereof, shall be disposed of as is provided by existing law for the disposition of receipts from national forests</i> 【\$67,000】 -----	66, 100. 00	
NOTE.—There is an apparent decrease of \$900 in this item, due to the transfer to the statutory roll of one clerk at \$900.		
New language is added to the paragraph for the following reasons: Section 13 of the Weeks forestry law, as amended by the act of June 30, 1914 (38 Stat., 415), directs that 25 per cent of all moneys received from each national forest established pursuant to the first-mentioned law shall be paid to the State in which the forest is situated for the benefit of schools and roads. The receipts mentioned in this proviso will arise out of permits for hunting and fishing on game preserves established, or to be established, pursuant to the agricultural appropriation act of August 11, 1916, and it is desirable expressly to provide for the disposition of the receipts from these game preserves in accordance with the plan adopted by Congress for the disposition of receipts from the national forests. Without this proviso, there would be grave doubt as to whether the States would be entitled to 25 per cent of the receipts from these permits to hunt and fish on the game preserves.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(248) For necessary miscellaneous expenses incident to the general administration of the Forest Service and of the national forests specified above (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1</i>):		
(249) In National Forest District One [\$64,100] -----	\$61,700. 00	
(250) In National Forest District Two-----	48,400. 00	
(251) In National Forest District Three-----	55,200. 00	
(252) In National Forest District Four-----	50,400. 00	
(253) In National Forest District Five-----	70,100. 00	
(254) In National Forest District Six-----	61,400. 00	
(255) In National Forest District Seven-----	14,900. 00	
(256) In the District of Columbia [\$127,730] -----	123,930. 00	
NOTE.—There is an apparent decrease in this item of \$6,200, due to transfers to the statutory roll. See note under item 95.		
(257) In all, for the use, maintenance, improvement, protection, and general administration of the specified national forests, [\$1,800,307] <i>\$1,816,367: Provided, That the foregoing amounts appropriated for such purposes shall be available interchangeably in the discretion of the Secretary of Agriculture for the necessary expenditures for fire protection and other unforeseen exigencies: Provided further, That the amounts so interchanged shall not exceed in the aggregate ten per centum of all the amounts so appropriated (same acts)</i> -----	\$1,816,367.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>					
<i>National forests.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Examiner.....per annum.....	\$2,200.00	.....	1 (1 mo.)		
Examiner.....do.....	2,000.00	.....	1 (3 mos.)		
Examiner.....do.....	1,900.00	.....	1 (9 mos.)		
Examiners.....do.....	1,800.00	5 (2 for 7 mos.)	6 (5 for 7 mos.)		
Examiners.....do.....	1,700.00	2	5 (3 for 4 mos.)		
Examiners.....do.....	1,600.00	7 (1 for 3 mos.)	13 (8 for 6 mos.)		
Examiners.....do.....	1,500.00	19 (5 for 7 mos.)	32 (23 for 7 mos.)		
Examiners.....do.....	1,400.00	31 (3 for 5 mos.)	42 (25 for 6 mos.)		
Examiners.....do.....	1,300.00	12 (1 for 6 mos.)	22 (14 for 6 mos.)		
Deputy fire supervisors.....do.....	1,600.00	.....	3 (temp.)		
Lumberman.....do.....	2,000.00	.....	1 (1 mo.)		
Scalers.....do.....	1,500.00	1	2 (1 for 10 mos.)		
Scalers.....do.....	1,400.00	4	3 (1 for 8 mos.)		
Scalers.....do.....	1,300.00	3	4 (2 for 10 mos.)		
Scalers.....do.....	1,200.00	5 (8 mos.)	5 (8 mos.)		
Scalers.....do.....	1,100.00	2	2 (5 mos.)		
Scalers.....do.....	1,080.00	6 (6 mos.)	5 (4 mos.)		
Scalers.....do.....	1,020.00	9 (5 mos.)	1		
Scalers.....do.....	900.00	32 (4 mos.)	15 (3 mos.)		
Timber cruiser.....do.....	1,600.00	1	1		
Surveyor-draftsman.....do.....	1,200.00	.....	1 (3 mos.)		
Surveyor-draftsman.....per diem.....	3.00	.....	1 (temp.)		
Forest assistant.....per annum.....	1,300.00	.....	1 (6 mos.)		
Forest assistants.....do.....	1,200.00	10 (1 for 3 mos.)	7 (4 for 5 mos.)		
Forest assistants.....do.....	1,100.00	13	22 (15 for 6 mos.)		
Pilot and gas engineer.....do.....	1,500.00	1	1		
Gas engineer.....do.....	1,020.00	1	1		
Field assistant.....do.....	1,200.00	.....	1 (9 mos.)		
Field assistants, \$960 to \$720.....do.....	.....	.....	10 (6 for 3 mos.; 4 for 1 mo.)		
Forest ranger.....do.....	1,500.00	.....	1		
Forest ranger.....do.....	1,400.00	.....	1		
Forest ranger.....do.....	1,200.00	.....	3 (temp.)		
Forest rangers.....do.....	1,100.00	73 (temp.)	207 (205 temp.)		
Forest rangers, \$900 to \$12.....do.....	.....	.....	22 (temp.)		
Forest guards, for varying periods from 3 days to 12 months, from \$1,300 per annum to 35 cents per hour.....do.....	.....	1,518	1,331		
Telephone operators, \$900 to \$24 per annum.....do.....	.....	32 (temp.)	42 (temp.)		
Janitors and charwomen, \$240 to \$15.....do.....	.....	69 (temp.)	11 (temp.)		
Clerks*.....do.....	1,200.00	.....	19		
Clerks*.....do.....	1,100.00	.....	5		
Clerks*.....do.....	1,020.00	.....	2		
Clerks*.....do.....	900.00	.....	6		
Clerks.....\$1,200 to \$720.....do.....	.....	47 (temp.)	68 (temp.)		
Clerks.....\$65 to \$32.50.....per month.....	.....	18 (temp.)	28 (temp.)		
Wages:					
Temporary laborers, from \$1,100 per annum to \$1.25.....per diem.....	.....	1,026	26		
Salaries.....	.....	\$597,206.00	\$525,083.32		
Wages.....	.....	25,895.00	6,500.00		
Other objects of expenditure:					
Traveling expenses.....	.....	197,238.00	174,954.34		
Equipment and material.....	.....	44,442.00	173,571.62		
Telegraph and telephone service.....	.....	16,242.00	12,798.51		
Miscellaneous items.....	.....	449,314.00	398,147.56		
Total.....	.....	1,330,337.00	1,291,055.35		

*Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>					
<i>General administration.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Associate forester.....per annum..	\$4,000.00	1	1		
Assistant foresters.....do.....	3,750.00	3	3		
Assistant forester.....do.....	3,500.00	1	1		
Assistant foresters.....do.....	3,200.00	2	2		
Assistant foresters.....do.....	3,000.00	2	2		
District foresters.....do.....	3,200.00	5	5		
District foresters.....do.....	3,000.00	1	2 (temp.)		
Assistant district foresters.....do.....	2,800.00	3	2		
Assistant district foresters.....do.....	2,700.00	13	14 (1 for 10 mos.)		
Assistant district foresters.....do.....	2,600.00	4	5 (2 temp.)		
Assistant district foresters.....do.....	2,500.00	4	4		
Assistant district foresters.....do.....	2,400.00	2	2		
Assistant district forester.....do.....	2,200.00	1	1		
Attorney in charge of forest appeals.....do.....	3,000.00	1	2		
Forest inspectors.....do.....	3,000.00	3	3		
Forest and grazing inspectors.....do.....	2,800.00	2	1		
Forest inspector.....do.....	2,700.00	1	1		
Forest inspector.....do.....	2,500.00	1	1 (2½ mos.)		
Grazing inspectors.....do.....	2,400.00	1	2 (1 for 10 mos.)		
Grazing inspector.....do.....	2,200.00	1	1		
Forest inspectors.....do.....	2,000.00	4	3		
Chief engineer.....do.....	3,750.00	1	1		
Assistant chief engineer.....do.....	3,200.00	1	1		
Engineer.....do.....	2,900.00	1	1		
Engineers.....do.....	2,700.00	1	1		
Engineers.....do.....	2,600.00	1	2 (1 temp.)		
Engineers.....do.....	2,400.00	2	4		
Engineer.....do.....	2,000.00	1	1		
Engineer.....do.....	1,900.00	1	1 (temp.)		
Engineer.....do.....	1,600.00	1	1		
Engineers.....do.....	1,500.00	1	2 (1 temp.)		
Engineer.....do.....	1,400.00	1	1		
Lumberman.....do.....	3,500.00	1	1		
Lumbermen.....do.....	2,800.00	2	2		
Lumberman.....do.....	2,500.00	1	1		
Lumbermen.....do.....	2,400.00	1	3 (temp.)		
Lumbermen.....do.....	2,000.00	7	5 (1 temp.)		
Lumbermen.....do.....	1,800.00	2	4 (1 for 9 mos.)		
Scalers.....do.....	1,500.00	2 (1 for 8 mos.)	2 (1 for 6 mos.)		
Timber estimator.....do.....	2,000.00	1	1 (6½ mos.)		
Examiner.....do.....	2,400.00	1	1		
Examiner.....do.....	2,300.00	1	1		
Examiners.....do.....	2,200.00	5	4 (1 for 10 mos.)		
Examiners.....do.....	2,100.00	2	3		
Examiners.....do.....	2,000.00	2	4 (2 temp.; 1 for 7 mos.)		
Examiners.....do.....	1,900.00	2	1		
Examiners.....do.....	1,800.00	7 (2 for 7 mos.)	10 (7 temp.)		
Examiners.....do.....	1,700.00	3	6 (4 temp.)		
Examiners.....do.....	1,600.00	13 (3 temp.)	8 (5 for 6 mos.)		
Examiners.....do.....	1,500.00	3	4 (1 temp.; 1 for 6 mos.)		
Examiners.....do.....	1,400.00	13 (1 for 6 mos.)	10 (7 for 5 mos.)		
Examiners.....do.....	1,300.00	2	4 (7 mos.)		
Examiner.....do.....	1,200.00	1	1		
Deputy forest supervisor.....do.....	1,600.00	1	1 (temp.)		
Forest assistant.....do.....	1,400.00	1 (6 mos.)	1		
Forest assistants.....do.....	1,200.00	2	3 (4 mos.)		
Field assistant.....do.....	1,200.00	1	1 (temp.)		
Forest ranger.....do.....	1,300.00	1 (temp.)	1 (temp.)		
Clerks, draftsmen, and draftsmen or surveyors, \$1,600 to \$1,200 *....per annum..			6		
Clerk **.....do.....	1,400.00		1		
Clerks **.....do.....	1,200.00		2		
Clerks, \$1,400 to \$720.....do.....		9 (temp.)	30 (temp.)		
Clerks, \$1,400.....do.....			1 (temp.)		
Draftsmen, \$1,500 to \$720.....per annum..			18 (temp.)		
Engineers, assistant engineer, examiner, forest assistants, map colorists, \$1,000 to \$12 per annum..		15 (11 temp.)	29 (temp.)		
blue-printers, \$7.20 to \$6.50 per diem..		1 (temp.)	3 (temp.)		
telephone operators, messenger boys and collaborators..					
Wages:					
Laborer.....per annum..	600.00		1		
Temporary laborers, \$900 to \$480.....do.....		3	7		
Salaries.....		\$307,504.00	\$307,948.97		
Wages.....		570.00	1,292.00		
Other objects of expenditure:					
Traveling expenses.....		116,623.00	99,772.55		
Equipment and material.....		5,830.00	13,586.78		
Telegraph and telephone service.....		12,285.00	11,595.20		
Miscellaneous expenses.....		43,218.00	41,129.81		
Total.....		486,030.00	475,325.31		

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(258) For the selection, classification, and segregation of lands within the boundaries of national forests that may be opened to homestead settlement and entry under the homestead laws applicable to the national forests [\$100,000] (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1</i>) -----	\$78,400.00	

NOTE.—There is an apparent decrease in this item of \$21,600, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Examiners.....per annum..	\$2,100.00	2	1 (9 mos.)
Examiners.....do.....	2,000.00	1	2 (1 for 4 mos.)
Examiners.....do.....	1,800.00	1	2 (5 and 11 mos.)
Examiners.....do.....	1,700.00	2	3 (1 for 4 mos.)
Examiners.....do.....	1,600.00	5 (1 for 1 mo.; 1 for 4 mos.)	5 (4 mos.)
Examiners.....do.....	1,500.00	1	2 (1 for 6 mos.)
Examiners.....do.....	1,400.00	2 (3 and 4 mos.)	4 (3 mos.)
Examiners.....do.....	1,300.00	4	5 (1 for 3 mos.; 1 for 9 mos.)
Forest assistants.....do.....	1,200.00	..	2 (4 and 6 mos.)
Forest assistants.....do.....	1,100.00	..	4 (1 mo.)
Field assistants, \$1,200 to \$600.....do.....	..	10 (temp.)	23 (temp.)
Forest rangers, \$1,200 to \$900.....do.....	..	7 (temp.)	13 (temp.)
Forest guards, \$1,100 to \$600.....do.....	..	6 (6 mos.)	15 (temp.)
Draftsmen.....do.....	1,300.00	..	1 (temp.)
Surveyor-draftsmen.....do.....	1,200.00	2 (temp.)	..
Surveyor-draftsmen*.....do.....	1,600.00	..	2
Surveyor-draftsmen*.....do.....	1,500.00	..	6
Draftsman*.....do.....	1,400.00	..	1
Draftsmen*.....do.....	1,200.00	..	2
Draftsman or map colorist*.....do.....	900.00	..	4
Clerk*.....do.....	1,100.00	..	1
Clerk*.....do.....	900.00	..	1
Map colorists, blue-printers, transimen, rodmen, and timber estimator, \$75 and \$60.....per month.....	..	6 (temp.)	5 (temp.)
Clerks \$1,020 and \$900.....per annum.....	..	5 (5 mos.)	9 (temp.)
Clerks \$2.50.....per diem.....	..	..	2 (temp.)
Wages:			
Temporary laborers.....per annum..	600.00	..	2
Salaries.....		\$41,430.00	\$52,934.55
Wages.....			300.00
Other objects of expenditure:			
Traveling expenses.....		21,555.00	21,839.44
Equipment and material.....		1,630.00	3,890.37
Miscellaneous items.....		13,785.00	15,652.61
Total.....		78,400.00	94,616.97

* Transferred to statutory roll in estimates for 1918.

- (259) For the survey and platting of certain lands, chiefly valuable for agriculture, now listed or to be listed within the national forests, under the act of June eleventh, nineteen hundred and six (Thirty-fourth Statutes, page two hundred and thirty-three), and the act of March third, eighteen hundred and ninety-nine (Thirtieth Statutes, page ten hundred and ninety-five), as provided by the act of March fourth, nineteen hundred and thirteen **[\$85,000]** \$69,300: *Provided*, That any unexpended balance of an appropriation of \$85,000 to be expended "for the survey and platting of certain lands, chiefly valuable for agriculture," and so forth, provided by the act of **[March fourth]** *August eleventh*, nineteen hundred and **[fifteen]** *sixteen*, entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June thirtieth, nineteen hundred and **[sixteen]** *seventeen*," be, and the same is hereby, continued and made available for and during the

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>					
fiscal year ending June thirtieth, nineteen hundred and [seven- teen] <i>eighteen</i> , for the purpose of this appropriation (<i>acts</i> <i>Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p.</i> <i>295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906,</i> <i>vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar.</i> <i>4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099,</i> <i>sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1)</i> -----				\$69,300.00	
NOTE.—There is an apparent decrease in this item of \$15,700, due to trans- fers to the statutory roll. Minor corrections in language are proposed so as to make available for ex- penditure during 1918 any balance of this appropriation remaining unexpended on June 30, 1917.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Examiners.....per annum..	\$2,100.00	..	2 (1 for 3 mos.)		
Examiners.....do....	1,800.00	1	1		
Examiners.....do....	1,600.00	1 (8 mos.)	3		
Examiners.....do....	1,400.00	1	1		
Surveyors or surveyor draftsmen.....do....	1,500.00	4 (temp.)	..		
Surveyors or surveyor draftsmen.....do....	1,400.00	4 (temp.)	9 (temp.)		
Surveyor or surveyor draftsman.....do....	1,300.00	..	1 (temp.)		
Draftsmen, \$1,200 to \$900.....do....	..	5 (temp.)	16 (temp.)		
Clerk.....do....	1,400.00	..	1 (temp.)		
Forest rangers, \$1,200 and \$1,100.....do....	..	1 (temp.)	3 (temp.)		
Surveyor or surveyor draftsman *.....do....	1,800.00	..	1		
Surveyors or surveyor draftsmen *.....do....	1,500.00	..	6		
Surveyors or surveyor draftsmen *.....do....	1,400.00	..	2		
Clerk *.....do....	1,200.00	..	1		
Clerk *.....do....	900.00	..	1		
Clerks, charwomen, field assistants, and forest guards, \$1,020 to \$600.....per annum..	..	17 (temp.)	15 (temp.)		
Wages:					
Temporary laborers, \$900 and \$720.....do....	..	29	..		
Salaries.....	..	\$24,316.00	\$42,524.28		
Wages.....	..	8,250.00	..		
Other objects of expenditure:					
Traveling expenses.....	..	14,960.00	17,646.16		
Equipment and material.....	..	2,059.00	3,410.01		
Miscellaneous items.....	..	19,715.00	21,104.05		
Total.....	..	69,300.00	84,684.50		
* Transferred to statutory roll in estimates for 1918.					
(260) For fighting and preventing forest fires and for other unforeseen emergencies (<i>same acts</i>)				150,000.00	
Employees.	Rate.	Estimated, 1918.*	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Forest examiner.....per annum..	\$1,400.00	..	1 (3 mos.)		
Forest rangers.....do....	1,100.00	..	4 (temp.)		
Telephone operators, \$480 to \$120.....do....	..	..	8 (temp.)		
Forest guards, \$900 per annum to \$0.35 per diem..	..	..	36 (temp.)		
Salaries.....	..	..	\$1,001.27		
Other objects of expenditure:					
Traveling expenses.....	..	..	6,134.56		
Equipment and material.....	..	..	13,599.27		
Miscellaneous items.....	..	..	225,156.78		
Total.....	..	\$150,000.00	245,891.88		
* This being an emergency appropriation, a detailed estimate of classified expenditures for fiscal year 1918 is not practicable.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																												
<i>General Expenses, Forest Service—Continued.</i>																																																														
(261) For the purchase and maintenance of necessary field, office, and laboratory supplies, instruments, and equipments 【\$150,400】 (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1</i>) -----	\$161, 100. 00																																																													
NOTE.—The apparent increase in this item is \$10,700, but, taking into consideration the transfer to the statutory roll of two clerks at \$900 each, the actual increase is \$12,500. Special equipment and supplies are needed at the Forest Products Laboratory in connection with pulp and paper wood testing, wood chemistry, and other forest-products investigations. Investigations so far conducted have shown the urgent need for this equipment, which can not be purchased with the present appropriations.																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Compositor*.....per annum..</td><td>\$1, 600. 00</td><td>..</td><td>1</td></tr><tr><td>Clerk**.....do.....</td><td>900. 00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerk**.....do.....</td><td>700. 00</td><td>..</td><td>1</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborer.....do.....</td><td>480. 00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td></td><td>\$2, 900. 00</td></tr><tr><td>Wages.....</td><td></td><td></td><td>44. 00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>\$30, 990. 00</td><td>47, 200. 30</td></tr><tr><td>Traveling expenses.....</td><td></td><td>1, 500. 00</td><td>1, 022. 97</td></tr><tr><td>Equipment and material.....</td><td></td><td>114, 730. 00</td><td>95, 510. 80</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>13, 880. 00</td><td>16, 040. 77</td></tr><tr><td>Total.....</td><td></td><td>161, 100. 00</td><td>162, 718. 84</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		Number.	Number.	Compositor*.....per annum..	\$1, 600. 00	..	1	Clerk**.....do.....	900. 00	..	1 (temp.)	Clerk**.....do.....	700. 00	..	1	Wages:				Temporary laborer.....do.....	480. 00	..	1	Salaries.....			\$2, 900. 00	Wages.....			44. 00	Other objects of expenditure:				Stationery.....		\$30, 990. 00	47, 200. 30	Traveling expenses.....		1, 500. 00	1, 022. 97	Equipment and material.....		114, 730. 00	95, 510. 80	Miscellaneous items.....		13, 880. 00	16, 040. 77	Total.....		161, 100. 00	162, 718. 84		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																											
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* Transferred to statutory roll in agricultural act for 1917.																																																														
** Transferred to statutory roll in estimates for 1918.																																																														
(262) For investigations of methods for wood distillation and for the preservative treatment of timber, for timber testing, and the testing of such woods as may require test to ascertain if they be suitable for making paper, for investigations and tests 【within the United States】 of foreign woods of commercial importance to industries in the United States, and for other investigations and experiments to promote economy in the use of forest products, and for commercial demonstrations of improved methods or processes, in cooperation with individuals and companies 【\$135,200】 (<i>same acts</i>) -----	178, 100. 00																																																													
NOTE.—The apparent increase in this item is \$42,900, but, taking into consideration transfers to the statutory roll, aggregating \$4,600, the actual increase is \$47,500, which it is proposed to use as follows:																																																														
(a) \$25,000 for demonstrations on a commercial scale of the practical results of important laboratory investigations, which, on a small scale, have been successful. New language has been added to the item to give authority for conducting such demonstrations. Projects which will receive first attention are the making, under improved processes, of Kraft paper from the waste from lumbering operations with southern pine and other species, the utilization of bark waste, and the kiln-drying of western larch and other species. The adoption by the wood-using industry of the improved processes developed through the investigations of the Forest Products Laboratory will be greatly delayed unless they can be demonstrated on a commercial scale which is not possible with present appropriations.																																																														
(b) \$12,500 for the employment of additional assistance in the investigation of such problems of the lumbering industry as the more complete utilization and more effective logging and manufacturing methods, pulp making, etc. The present development of forest-products investigations has shown that the wood-using industries more effectively can be served by an increase in the administrative staff of the Forest Products Laboratory.																																																														
(c) \$10,000 for investigations of forestry and forest products in Latin American countries under authority provided for by the new language proposed in the introductory paragraph to the general expense items. See note under item 94.																																																														

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Director of laboratory.....per annum..	\$3,200.00	1	1		
Chief, section of derived products.....do...	3,500.00	1	1		
Assistant district forester.....do.....	2,700.00	1	1		
Pulp and paper engineer.....do.....	3,500.00	1	1		
Engineer.....do.....	2,700.00	1	1		
Engineers.....do.....	2,500.00	3	4 (2 for 7 mos.)		
Engineer.....do.....	2,300.00	1	1 (7 mos.)		
Engineers.....do.....	2,200.00	2	1 (5 mos.)		
Engineer.....do.....	2,100.00	1	1		
Engineers.....do.....	2,000.00	2	2 (1 for 7 mos.)		
Engineers.....do.....	1,900.00	4	4 (1 for 2 mos.; 1 for 9 mos.)		
Engineers.....do.....	1,800.00	3	3 (1 for 11 mos.)		
Engineer.....do.....	1,700.00	1	1		
Engineer.....do.....	1,600.00	1	1		
Engineer.....do.....	1,500.00	1	1		
Assistant engineer.....do.....	1,900.00	1	1 (5 mos.)		
Assistant engineer.....do.....	1,800.00	1	1		
Assistant engineer.....do.....	1,700.00	1	1		
Assistant engineer.....do.....	1,600.00	1	1		
Assistant engineer.....do.....	1,500.00	1	3 (1 temp.)		
Assistant engineer.....do.....	1,400.00	1	1		
Assistant engineers.....do.....	1,200.00	2	1		
Assistant engineer.....do.....	1,100.00	1	1		
Engineer.....do.....	2,200.00	1	1		
Examiner.....do.....	2,100.00	1	1		
Examiner.....do.....	1,900.00	1	1		
Examiner.....do.....	1,600.00	1	1		
Examiner.....do.....	1,500.00	1	1		
Examiner.....do.....	1,400.00	1	1		
Examiner.....do.....	1,300.00	1	1		
Statistician.....do.....	2,500.00	1	1		
Statistician.....do.....	1,800.00	1	1		
Statistician.....do.....	1,600.00	1	1		
Chemists.....do.....	2,000.00	4	4		
Chemist.....do.....	1,800.00	1	1		
Assistant chemist.....do.....	1,600.00	1	1		
Assistant chemists.....do.....	1,500.00	1	1		
Assistant chemists.....do.....	1,400.00	2	1		
Assistant chemists.....do.....	1,200.00	1	4 (1 for 5 mos.; 1 for 3 mos.)		
Assistants in lumbering.....do.....	2,400.00	1	4 (3 for 5 mos.; 1 for 7 mos.)		
Scientific assistant.....do.....	1,700.00	1	1		
Microscopist.....do.....	1,700.00	1	1		
Xylotomist.....do.....	1,700.00	1	1		
Assistant xylotomist.....do.....	1,500.00	1	1		
Physicist.....do.....	1,000.00	1	1		
Physicist.....do.....	1,600.00	1	1		
Physicist.....do.....	1,400.00	1	1		
Forest ranger.....do.....	1,100.00	1	1 (temp.)		
Laboratory aid and engineer.....do.....	1,200.00	1	1 (temp.)		
Lumber grader.....per month.....	150.00	1	1 (temp.)		
Lumber graders.....do.....	125.00	2	2 temp.)		
Lumber grader.....do.....	100.00	1 (temp.)	1 (temp.)		
Laboratory aids and engineers, \$1,000 to \$800,* per annum.....do.....	900.00	4	4		
Laboratory aids and engineers**..per annum..	900.00	3	3		
Clerk**.....do.....	900.00	1	1		
Paper maker, labora- tory assistant, civil engineer, assistant engineer, assistant in lumbering, clerks, experts, assistant chemists, student assistants, and col- laborators.....do.....	\$1,000 to \$1 per annum \$11 to \$2.80 per diem	30 (23 temp.) 4 (temp.)	49 (40 temp.) 5 (temp.)		
Wages:					
Carpenter*.....per annum.....	1,200.00	1	1		
Carpenter**.....do.....	1,000.00	1	1		
Temporary laborers.....do.....	\$900 to \$720 per annum \$3 to \$2 per diem	9 6	8 9		
Salaries.....		\$120,856.00	\$110,175.41		
Wages.....		4,314.00	4,620.00		
Other objects of expenditure:					
Traveling expenses.....		24,130.00	18,747.49		
Equipment and material.....		11,100.00	9,299.40		
Miscellaneous items.....		17,700.00	9,936.36		
Total.....		178,100.00	152,778.66		

*Transferred to statutory roll in agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(263) For experiments and investigations of range conditions within national forests or elsewhere on the public range, and of methods for improving the range by reseeding, regulation of grazing, and other means ["\$30,000"] (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1; 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1</i>)	\$35,000.00	

NOTE.—An increase of \$5,000 in this item extending the grazing investigations in relation to forest management to the purchase areas and the Coastal Plain region of the Southeast. Additional funds also are necessary for expanding the range investigations on the national forests in relation to the carrying capacity of the range, the study of the effect of brush burning upon the range, forage-plant investigations, and the eradication of stock-poisoning plants.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Inspector of grazing.....per annum..	\$2,800.00	1	1
Examiner of grazing.....do.....	2,700.00	1	1 (temp.)
Examiner of grazing.....do.....	2,400.00	1	1 (7 mos.)
Examiner of grazing.....do.....	1,800.00	1	1
Examiner of grazing.....do.....	1,700.00	2 (6 mos.)	2 (6 mos.)
Examiners of grazing.....do.....	1,600.00	3 (2 for 6 mos.)	3 (4 mos.)
Plant ecologist.....do.....	2,400.00	1	1 (8 mos.)
Plant ecologist.....do.....	2,200.00	1 (9 mos.)	1
Plant ecologist.....do.....	1,700.00	1	1
Grazing assistant.....do.....	1,600.00	1	1
Grazing assistant.....do.....	1,500.00	1	1
Grazing assistants.....do.....	1,400.00	3 (1 for 3 mos.)	4 (3 for 5 mos.)
Assistant botanist.....do.....	1,700.00	1	1 (9 mos.)
Forest assistant.....do.....	1,400.00	1	1 (4 mos.)
Planting assistants, forest assistants, field assistants, expert, and clerks, \$1,080 to \$480, per annum.....	1,200.00	3 (4 mos.)	9 (temp.)
Salaries.....		\$20,280.00	\$20,004.06
Other objects of expenditure:			
Traveling expenses.....		9,520.00	6,154.33
Equipment and material.....		1,370.00	1,733.82
Miscellaneous items.....		3,830.00	1,851.96
Total.....		35,000.00	29,744.17

- (264) For the purchase of tree seed, cones, and nursery stock, for seeding and tree planting within national forests, and for experiments and investigations necessary for such seeding and tree planting (*same acts*)

165,640.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Examiners.....per annum..	\$2,400.00	1 (3 mos.)	2 (2 mos.)
Examiner.....do.....	2,300.00	1	1
Examiner.....do.....	2,200.00	1	1 (11 mos.)
Examiners.....do.....	1,800.00	1	3 (2 for 1 mo.)
Examiners.....do.....	1,700.00	2	2
Examiners.....do.....	1,600.00	2	5 (2 for 1 mo.)
Examiners.....do.....	1,500.00	1	2 (6 mos.)
Examiners.....do.....	1,400.00	5 (3 for 7 mos.)	9 (7 for 7 mos.)
Examiners.....do.....	1,300.00	2	3 (2 for 3 mos.)
Plant ecologist.....do.....	2,200.00	1 (3 mos.)	1 (4 mos.)
Forest planting assistants.....do.....	1,500.00	2	2 (1 for 5 mos.)
Forest planting assistants.....do.....	1,200.00	1 (9 mos.)	3 (6 mos.)
Forest planting assistants.....do.....	1,100.00	2	5 (4 for 2 mos.)
Field assistants, \$900 to \$600.....do.....	1,000.00	6 (temp.)	6 (temp.)
Forest rangers.....do.....	1,200.00	2	1
Forest rangers.....do.....	1,100.00	3 (2 for 6 mos.)	3 (1 temp.)
Forest ranger.....do.....	1,000.00	1	1
Clerks, \$1,300 to \$600.....do.....	...	...	4 (temp.)
Forest guards and laborers, \$900 per annum to 35 cents per hour, for periods ranging from 1 day to 12 months each.....		598 (temp.)	24 (temp.)
Salaries.....		\$46,189.00	\$42,079.30
Other objects of expenditure:			
Traveling expenses.....		5,992.00	8,139.29
Equipment and material.....		11,935.00	20,454.10
Miscellaneous items.....		101,524.00	77,902.25
Total.....		165,640.00	148,574.94

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																																								
General Expenses, Forest Service—Continued.																																																																																																																																																																										
(265) For silvicultural, dendrological, and other experiments and investigations independently or in cooperation with other branches of the Federal Government, with States and with individuals, to determine the best methods for the conservative management of forests and forest lands [\$78,728] (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1</i>) -----	\$83,728.00																																																																																																																																																																									
NOTE.—An increase of \$5,000 is recommended in this item in order to permit an extension of the cooperation with States and with farmers in the marketing of wood-lot products and in the conservative management of farm wood lots. Owners of farm wood lots are in need of more technical advice on the sale of their wood-lot products than can be given with the present appropriations.																																																																																																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="2"></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Assistant forester.....per annum..</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Chief of forest investigations.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chief of forest investigations.....do....</td><td>2,600.00</td><td>1</td><td>1</td></tr><tr><td>Chief of State cooperation.....do....</td><td>2,600.00</td><td>1 (6 mos.)</td><td>1 (6 mos.)</td></tr><tr><td>Forest inspector.....do....</td><td>3,000.00</td><td>1</td><td>1 (9 mos.)</td></tr><tr><td>Forest examiners.....do....</td><td>2,400.00</td><td>2 (1 for 10 mos.)</td><td>2 (9 and 11 mos.)</td></tr><tr><td>Forest examiners.....do....</td><td>2,200.00</td><td>2 (1 for 6 mos.)</td><td>2 (1 for 6 mos.)</td></tr><tr><td>Forest examiner.....do....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Forest examiners.....do....</td><td>2,000.00</td><td>2</td><td>2</td></tr><tr><td>Forest examiners.....do....</td><td>1,900.00</td><td>2</td><td>1</td></tr><tr><td>Forest examiners.....do....</td><td>1,800.00</td><td>4</td><td>4 (2 for 6 mos.)</td></tr><tr><td>Forest examiner.....do....</td><td>1,700.00</td><td>1</td><td>1</td></tr><tr><td>Forest examiner.....do....</td><td>1,600.00</td><td>1</td><td>1 (3 mos.)</td></tr><tr><td>Forest examiners.....do....</td><td>1,500.00</td><td>1</td><td>3 (3 mos.)</td></tr><tr><td>Forest examiners.....do....</td><td>1,400.00</td><td>4 (1 for 6 mos.)</td><td>7 (6 for 5 mos.)</td></tr><tr><td>Forest examiner.....do....</td><td>1,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Lumberman.....per month.....</td><td>100.00</td><td>1</td><td>1 (4 mos.)</td></tr><tr><td>Assistants in lumbering.....do....</td><td>200.00</td><td>2 (3 mos.)</td><td>2 (2 mos.)</td></tr><tr><td>Forest assistant.....per annum.....</td><td>1,100.00</td><td>1</td><td>1 (9 mos.)</td></tr><tr><td>Forest rangers.....do....</td><td>1,100.00</td><td>4 (temp.)</td><td>4 (temp.)</td></tr><tr><td>Field assistants,</td><td></td><td></td><td></td></tr><tr><td> assistant engi- \$900 to \$12.....do.....</td><td></td><td>3 (temp.)</td><td>18 (temp.)</td></tr><tr><td> neer, examiner, \$6 and \$3.33..per diem..</td><td></td><td>..</td><td>2 (temp.)</td></tr><tr><td> and collabora- ..</td><td></td><td></td><td></td></tr><tr><td> tors.....</td><td></td><td></td><td></td></tr><tr><td>Clerks, \$1,400 to \$1,100 *.....per annum.....</td><td></td><td>..</td><td>4</td></tr><tr><td>Clerks, \$1,100 and \$900.....do....</td><td></td><td>2 (temp.)</td><td>4 (temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Temporary laborers, \$1,000 to \$480...do....</td><td></td><td>2</td><td>3</td></tr><tr><td colspan="2"></td><td></td><td></td></tr><tr><td>Salaries.....</td><td></td><td>\$57,480.00</td><td>\$53,271.30</td></tr><tr><td>Wages.....</td><td></td><td>950.00</td><td>497.50</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>14,258.00</td><td>13,052.70</td></tr><tr><td>Equipment and material.....</td><td></td><td>2,545.00</td><td>5,646.95</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>8,495.00</td><td>8,391.28</td></tr><tr><td>Total.....</td><td></td><td>83,728.00</td><td>80,859.73</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.			<i>Number.</i>	<i>Number.</i>	Salaries:				Assistant forester.....per annum..	\$3,000.00	1	1	Chief of forest investigations.....do....	3,000.00	1	1	Assistant chief of forest investigations.....do....	2,600.00	1	1	Chief of State cooperation.....do....	2,600.00	1 (6 mos.)	1 (6 mos.)	Forest inspector.....do....	3,000.00	1	1 (9 mos.)	Forest examiners.....do....	2,400.00	2 (1 for 10 mos.)	2 (9 and 11 mos.)	Forest examiners.....do....	2,200.00	2 (1 for 6 mos.)	2 (1 for 6 mos.)	Forest examiner.....do....	2,100.00	1	1	Forest examiners.....do....	2,000.00	2	2	Forest examiners.....do....	1,900.00	2	1	Forest examiners.....do....	1,800.00	4	4 (2 for 6 mos.)	Forest examiner.....do....	1,700.00	1	1	Forest examiner.....do....	1,600.00	1	1 (3 mos.)	Forest examiners.....do....	1,500.00	1	3 (3 mos.)	Forest examiners.....do....	1,400.00	4 (1 for 6 mos.)	7 (6 for 5 mos.)	Forest examiner.....do....	1,000.00	1	1	Scientific assistant.....do....	1,800.00	1	1	Scientific assistant.....do....	1,600.00	1	1	Lumberman.....per month.....	100.00	1	1 (4 mos.)	Assistants in lumbering.....do....	200.00	2 (3 mos.)	2 (2 mos.)	Forest assistant.....per annum.....	1,100.00	1	1 (9 mos.)	Forest rangers.....do....	1,100.00	4 (temp.)	4 (temp.)	Field assistants,				assistant engi- \$900 to \$12.....do.....		3 (temp.)	18 (temp.)	neer, examiner, \$6 and \$3.33..per diem..		..	2 (temp.)	and collabora- ..				tors.....				Clerks, \$1,400 to \$1,100 *.....per annum.....		..	4	Clerks, \$1,100 and \$900.....do....		2 (temp.)	4 (temp.)	Wages:				Temporary laborers, \$1,000 to \$480...do....		2	3					Salaries.....		\$57,480.00	\$53,271.30	Wages.....		950.00	497.50	Other objects of expenditure:				Traveling expenses.....		14,258.00	13,052.70	Equipment and material.....		2,545.00	5,646.95	Miscellaneous items.....		8,495.00	8,391.28	Total.....		83,728.00	80,859.73		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																																																																																																							
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Assistant forester.....per annum..	\$3,000.00	1	1																																																																																																																																																																							
Chief of forest investigations.....do....	3,000.00	1	1																																																																																																																																																																							
Assistant chief of forest investigations.....do....	2,600.00	1	1																																																																																																																																																																							
Chief of State cooperation.....do....	2,600.00	1 (6 mos.)	1 (6 mos.)																																																																																																																																																																							
Forest inspector.....do....	3,000.00	1	1 (9 mos.)																																																																																																																																																																							
Forest examiners.....do....	2,400.00	2 (1 for 10 mos.)	2 (9 and 11 mos.)																																																																																																																																																																							
Forest examiners.....do....	2,200.00	2 (1 for 6 mos.)	2 (1 for 6 mos.)																																																																																																																																																																							
Forest examiner.....do....	2,100.00	1	1																																																																																																																																																																							
Forest examiners.....do....	2,000.00	2	2																																																																																																																																																																							
Forest examiners.....do....	1,900.00	2	1																																																																																																																																																																							
Forest examiners.....do....	1,800.00	4	4 (2 for 6 mos.)																																																																																																																																																																							
Forest examiner.....do....	1,700.00	1	1																																																																																																																																																																							
Forest examiner.....do....	1,600.00	1	1 (3 mos.)																																																																																																																																																																							
Forest examiners.....do....	1,500.00	1	3 (3 mos.)																																																																																																																																																																							
Forest examiners.....do....	1,400.00	4 (1 for 6 mos.)	7 (6 for 5 mos.)																																																																																																																																																																							
Forest examiner.....do....	1,000.00	1	1																																																																																																																																																																							
Scientific assistant.....do....	1,800.00	1	1																																																																																																																																																																							
Scientific assistant.....do....	1,600.00	1	1																																																																																																																																																																							
Lumberman.....per month.....	100.00	1	1 (4 mos.)																																																																																																																																																																							
Assistants in lumbering.....do....	200.00	2 (3 mos.)	2 (2 mos.)																																																																																																																																																																							
Forest assistant.....per annum.....	1,100.00	1	1 (9 mos.)																																																																																																																																																																							
Forest rangers.....do....	1,100.00	4 (temp.)	4 (temp.)																																																																																																																																																																							
Field assistants,																																																																																																																																																																										
assistant engi- \$900 to \$12.....do.....		3 (temp.)	18 (temp.)																																																																																																																																																																							
neer, examiner, \$6 and \$3.33..per diem..		..	2 (temp.)																																																																																																																																																																							
and collabora- ..																																																																																																																																																																										
tors.....																																																																																																																																																																										
Clerks, \$1,400 to \$1,100 *.....per annum.....		..	4																																																																																																																																																																							
Clerks, \$1,100 and \$900.....do....		2 (temp.)	4 (temp.)																																																																																																																																																																							
Wages:																																																																																																																																																																										
Temporary laborers, \$1,000 to \$480...do....		2	3																																																																																																																																																																							
Salaries.....		\$57,480.00	\$53,271.30																																																																																																																																																																							
Wages.....		950.00	497.50																																																																																																																																																																							
Other objects of expenditure:																																																																																																																																																																										
Traveling expenses.....		14,258.00	13,052.70																																																																																																																																																																							
Equipment and material.....		2,545.00	5,646.95																																																																																																																																																																							
Miscellaneous items.....		8,495.00	8,391.28																																																																																																																																																																							
Total.....		83,728.00	80,859.73																																																																																																																																																																							
* Transferred to statutory roll in Agricultural act for 1917.																																																																																																																																																																										
(266) For estimating and appraising timber and other resources on the national forests preliminary to disposal by sale or to the issue of occupancy permits, and for emergency expenses incident to their sale or use [\$60,000] (<i>same acts</i>) -----	70,000.00																																																																																																																																																																									
NOTE.—An increase of \$10,000 is recommended in this item, to be expended as follows:																																																																																																																																																																										
Six thousand dollars for additional range reconnoissance. The increasing demand for national-forest range makes it highly important that the examination, classification, and mapping of range should advance more rapidly than is possible with present appropriations, in order to provide the data necessary for more intensive development and use of forage resources. This increase will provide for work on 600,000 acres of grazing land. Through improved knowledge of the values of the range it has been possible, as the result of past work, to increase the carrying capacity from 15 to 20 per cent. Work will be prosecuted on those forests where the demand for range for stock grazing is very heavy, and the increased receipts from grazing permits for the additional animals will fully justify the outlay.																																																																																																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
General Expenses, Forest Service—Continued.					
Four thousand dollars for the examination and appraisal of additional areas under application for timber sales. It seems probable, from outstanding applications, that the cut of national-forest timber will be increased by 1918 from 15 to 20 per cent. To meet this growing demand, additional funds must be provided for the timber surveys and appraisals essential before sales can be made. The \$4,000 will permit examination and appraisal of about 45,000 acres, or 500,000,000 feet of stumpage, which is less than the anticipated increase in the sales by 1918.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Examiner.....per annum..	\$2,000.00	1 (3 mos.)	..		
Examiner.....do....	1,700.00	1	..		
Examiner.....do....	1,600.00	1 (3 mos.)	1 (3½ mos.)		
Examiner.....do....	1,500.00	1 (5 mos.)	1 (6 mos.)		
Examiners.....do....	1,400.00	1 (3 mos.)	6 (8 mos.)		
Examiners.....do....	1,300.00	5 (4 for 4 mos.)	5 (4 for 6 mos.)		
Timber cruiser.....do....	1,500.00	1 (4 mos.)	1 (6 mos.)		
Lumberman.....do....	1,200.00	..	1 (temp.)		
Scaler.....do....	1,100.00	1 (5 mos.)	1 (2 mos.)		
Surveyor draftsman.....do....	1,500.00	1 (8½ mos.)	1		
Surveyor draftsman.....do....	1,400.00	1 (8½ mos.)	1		
Surveyor draftsman.....do....	1,200.00	1 (temp.)	1 (temp.)		
Forest assistants.....do....	1,200.00	2	4 (4 mos.)		
Forest assistants.....do....	1,100.00	8 (2 for 3 mos.)	13 (12 for 7 mos.)		
Grazing assistants.....do....	1,600.00	..	2 (6½ mos.)		
Forest rangers.....do....	1,100.00	3 (temp.)	5 (temp.)		
Clerk.....do....	1,200.00	..	1 (temp.)		
Topographers, transitman, compassmen, rodman, field assistants, forest guards, forest ranger, map colorists, \$1,080 to \$600.....per annum..		59 (temp.)	48 (temp.)		
Wages:					
Miscellaneous and temporary labor, \$1,020 to \$700.....per annum..		17	..		
Salaries.....		\$27,278.00	\$33,142.08		
Wages.....		6,162.00	..		
Other objects of expenditure:					
Traveling expenses.....		7,050.00	6,220.80		
Equipment and material.....		2,945.00	4,320.28		
Miscellaneous items.....		26,565.00	16,210.83		
Total.....		70,000.00	59,883.99		
(267) For other miscellaneous forest investigations, and for collating, digesting, recording, illustrating, and distributing the results of the experiments and investigations herein provided for (acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1) ..					
				\$33,140.00	
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Editor.....per annum..	\$3,200.00	1	1		
Assistant editor.....do....	2,000.00	1	1		
Assistant editor.....do....	1,800.00	1	..		
Assistant editor.....do....	1,500.00	1	..		
Information editor.....do....	2,000.00	..	1 (5 mos.)		
Chief of publications.....do....	2,400.00	1	1		
Chief of geography.....do....	2,200.00	1	1		
Assistant in forest education.....do....	2,000.00	1	1		
Civil engineer.....do....	2,000.00	1	1		
Examiner.....do....	1,700.00	..	1		
Examiner.....do....	1,500.00	..	1 (3 mos.)		
Examiner.....do....	1,400.00	1 (6 mos.)	1 (2 mos.)		
Statistician.....do....	1,600.00	1	1		
Lithographic map engraver.....do....	1,600.00	1	1		
Clerk or proof reader, artist, negative cutter, draftsmen and blue-printer, \$1,500 to \$720*.....per annum..		..	6		
Forest ranger, clerks, draftsman and map colorist, \$1,100 to \$720.....per annum..		..	7 (temp.)		
Salaries.....		\$21,000.00	\$27,796.11		
Other objects of expenditure:					
Traveling expenses.....		2,920.00	2,563.02		
Equipment and material.....		8,000.00	9,809.36		
Miscellaneous items.....		1,220.00	139.60		
Total.....		33,140.00	40,308.09		
*Transferred to statutory roll in agricultural act for 1917.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
(268) For the construction and maintenance of roads, trails, bridges, fire lanes, telephone lines, cabins, fences, and other improvements necessary for the proper and economical administration, protection, and development of the national forests, ["\$400,000"] \$500,000: Provided, That not to exceed \$100,000 may be expended for the construction and maintenance of boundary and range division fences, counting corrals, stock driveways and bridges, and the development of stock watering places on the national forests: And provided further, That no part of the money herein appropriated shall be used to pay the transportation or traveling expenses of any forest officer or agent except he be traveling on business directly connected with the Forest Service and in furtherance of the works, aims, and objects specified and authorized in and by this appropriation: And provided also, That no part of this appropriation shall be paid or used for the purpose of paying for, in whole or in part, the preparation or publication of any newspaper or magazine article, but this shall not prevent the giving out to all persons without discrimination, including newspaper and magazine writers and publishers, of any facts or official information of value to the public (acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 628, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1, and Aug. 11, 1916, vol. 39, pp. 457-461, sec. 1) -----	\$500,000.00	

NOTE.—An increase of \$100,000 is recommended in this item, to be used for the construction and maintenance of boundary and drift fences, stock driveways and bridges, and counting corrals, and for the development of stock watering places within the national forests, as indicated by the new proviso which has been added to the paragraph. The purpose of these improvements is to increase the grazing capacity of the national-forest ranges and promote their fullest use by stockmen. Heretofore improvements of this character have been made largely by the stockmen themselves or under cooperative agreements with the Forest Service. The curtailment of public range through settlement and location under the various public-land laws has increased the demand for pasturage within the national forests and made it necessary to expend an increased amount for range improvements to provide for a larger number of stock. Receipts from grazing permits during the past fiscal year were \$1,202,304, an increase of \$77,627 over receipts for the previous year. The department now has in contemplation an increase in the charge for grazing privileges. This increase, if made, should result in an increase of at least \$200,000 in the receipts. Before final action is taken the department will give interested parties an opportunity to be heard. If the plan is made effective, it will become operative on March 1, 1916, and will make it necessary for the Government to do a larger portion of the improvement work.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Examiners.....per annum..	\$2,000.00	2	1 (3 mos.)
Examiners.....do....	1,600.00	3 (1 for 8 mos.)	2
Examiner.....do....	1,400.00	1	1
Surveyor-draftsman.....do....	1,500.00	1 (temp.)	1 (5 mos.)
Surveyor-draftsman.....do....	1,300.00	1	1 (8 mos.)
Draftsman.....do....	1,200.00	1	1 (temp.)
Telephone engineer.....do....	2,000.00	1	1 (8 mos.)
Telephone engineer.....do....	1,800.00	1	1 (4 mos.)
Telephone engineer.....do....	1,500.00	1	1 (4 mos.)
Superintendent of telephone construction, per annum.....	2,000.00	1	1 (4 mos.)
Superintendent of telephone construction, per annum.....	1,500.00	1	1 (9 mos.)
Forest rangers, \$1,100 and \$900, per annum.....	8 (temp.)	12 (temp.)	
Forest guards, linemen, foremen, carpenters, and mechanics, \$3.06 to \$2, per diem.....	264 (temp.)	40 (temp.)	
Salaries.....		\$78,526.00	\$15,175.88
Other objects of expenditure:			
Traveling expenses.....		11,576.00	13,976.85
Equipment and material.....		124,931.00	133,224.62
Miscellaneous items.....		284,967.00	227,527.82
Total.....		500,000.00	389,905.17

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
<div> <div>CONSTRUCTION WORK CONTEMPLATED.</div> <div>According to the records in the Forest Service, the average unit costs of construction work (including maintenance) on the national forests, are approximately as follows:</div> <div> Roads, per mile..... \$551.00 Trails, per mile..... 57.00 Telephone lines, per mile..... 55.00 Fire breaks, per mile..... 89.00 Fences, per mile..... 142.00 Lookout structures, each..... 180.00 Dwellings, each..... 352.00 Barns, each..... 186.00 Other buildings, each..... 61.00 Corrals, each..... 58.00 Bridges, each..... 575.00 Water improvements, each..... 102.00 </div> </div> <div> <div>CONSTRUCTION WORK DONE.</div> <div>This appropriation was expended for construction and maintenance work on national forests, approximately as follows:</div> <div> Roads, 227 miles* \$14,633.34 Trails, 1,975 miles* 102,471.37 Telephone lines, 2,124 miles..... 115,430.31 Fire breaks, 88 miles..... 1,717.44 Fences, 222 miles..... 29,638.26 Lookout structures, 81..... 17,641.73 Dwellings, 128..... 47,235.71 Barns and other buildings, 417..... 25,818.80 Corrals, 17..... 1,262.71 Bridges, 40..... 8,181.15 Water improvements, 219..... 13,952.64 Other miscellaneous improvements on national forests..... 11,921.71 Total..... 389,905.17 </div> </div>		
* Part of cost of construction paid from cooperative and other funds.		
In all, for general expenses	\$3,340,775.00	\$3,188,415.00
<div> Appropriations for 1908.....¹ 2,256,800 Appropriations for 1909.....¹ 3,751,900 Appropriations for 1910.....¹ 4,586,000 Sundry civil act..... 30,000 Appropriations for 1911.....¹ 4,947,900 Deficiency act..... 900,000 Appropriations for 1912.....¹ 3,214,420 Appropriations for 1913..... 3,107,285 Appropriations for 1914..... 3,160,119 Appropriations for 1915..... 3,243,096 Deficiency act..... 349,243 Appropriations for 1916..... 3,217,676 Deficiency act..... 57,300 Appropriations for 1917..... 3,188,415 </div> <div> Estimates for 1909.....² 3,051,900 Estimates for 1910.....² 5,931,300 Estimates for 1911.....³ 4,983,500 Estimates for 1912..... 3,189,420 Estimates for 1913..... 3,208,005 Estimates for 1914..... 3,198,939 Estimates for 1915..... 3,238,096 Estimates for 1916..... 3,212,676 Estimates for 1917..... 3,188,616 Estimates for 1918..... 3,340,775 </div>		
¹ Includes amount appropriated separately for "Improvement of the National Forests." ² In addition, an estimated balance of about \$1,000,000 from receipts prior to July 1, 1907, was available for administration and improvement of the national forests. (See estimates of appropriations for the fiscal year 1909, p. 548.) ³ Includes amount estimated for separately for "Improvement of the National Forests."		
<i>Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>		
GENERAL EXPENSES, FOREST SERVICE.		
1 clerk, \$1,600 per annum. 2 clerks, at \$1,400 per annum each. 2 clerks, at \$1,200 per annum each. 1 clerk, \$1,020 per annum. 18 clerks, at \$900 per annum each. 5 clerks, at \$720 per annum each. 1 clerk, \$700 per annum. 1 draftsman, \$1,500 per annum. 2 draftsmen, at \$1,200 per annum each. 1 draftsman, \$1,000 per annum. 2 draftsmen, at \$900 per annum each.		
(269) [That in order to carry out the purposes mentioned in section three of the Act of March first, nineteen hundred and eleven, entitled "An Act to enable any State to cooperate with any other State or States, or with the United States, for the protection of the watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers" (Thirty-sixth Statutes at Large, page nine hundred and sixty-one), as amended, there is hereby appropriated out of any money in the Treasury not otherwise appropriated, available until expended, the sum of \$1,000,000 for the fiscal year ending on the thirtieth day of June, nineteen hundred and seventeen, and \$2,000,000 for the fiscal year ending on the thirtieth day of June, nineteen hundred and eighteen.]		1,000,000.00
NOTE.—This paragraph is omitted, as it is continuing legislation.		
(270) To enable the Secretary of Agriculture more effectively to carry out the provisions of the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes, page nine hundred and sixty-one), entitled "An Act to enable any State to cooperate with any other State or States, or with the United States, for the protection of watersheds of navigable streams, and to ap-		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Forest Service—Continued.</i>		
<p>point a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers," ["\$15,000"] \$25,000 of the moneys appropriated therein, <i>or for carrying out its purposes</i>, shall be available for the employment of agents, <i>title attorneys</i>, clerks, assistants, and other labor and for the purchase of supplies and equipment required for the purpose of said Act in the city of Washington.</p> <p>NOTE.—The language of this item has been amended by the insertion of the words "or for carrying out its purposes" and "title attorneys."</p> <p>At present reports on title examination of lands in course of acquisition under the Weeks forestry law, prepared in the field by title attorneys of this department, are referred to the United States attorneys for the respective judicial districts in which the several parcels are located for the preparation of opinions as to the sufficiency of the title. When condemnation is recommended by this department the United States attorneys customarily prepare the petitions to the court therefor. Offices of the United States attorneys are so crowded with other business that this procedure causes long delays. Much of these delays could be avoided if this department were authorized to transfer to Washington some of its more experienced title attorneys for the purpose of having them, instead of the United States attorneys, review the reports and draft the condemnation petitions previous to the reports or the requests for condemnation being transmitted to the Department of Justice. Such transfer would be essential in order to enable the solicitor of this department effectively to supervise and direct the kind of new activities which the scheme contemplates that this department would undertake. It is understood that similar work in the Interior Department under the reclamation statutes is handled in Washington in the way here proposed.</p> <p>The increase of \$10,000 in the amount for expenditure in Washington is recommended in order to enable the department to put this plan into effect. While the change suggested would result in this department doing some work which the Department of Justice now does, in the end the cost to the Government would be no greater; it is believed it would be much less. The reduction of the delay in finally concluding purchases and condemnations would eventually be an economy; it would also be a great satisfaction to the sellers of lands.</p> <p>By the use of the word "therein," the privilege of expenditure in Washington is restricted to moneys already appropriated by the original Weeks forestry act of March 1, 1911. If the words suggested to follow "therein" were incorporated in the bill, the same privilege would be applicable to any other moneys appropriated for carrying out the provisions of that statute.</p>		
(271) ["That hereafter deposits may be received from timber purchasers in such sums as the Secretary of Agriculture may require to cover the cost to the United States of disposing of brush and other débris resulting from cutting operations in sales of national forest timber; such deposits shall be covered into the Treasury and shall constitute a special fund, which is hereby appropriated and made available until expended, as the Secretary of Agriculture may direct, to pay the cost of such work and to make refunds to the depositors of amounts deposited by them in excess of such cost."]		
NOTE.—This paragraph is omitted, as it is continuing legislation.		
Total for Forest Service	\$5,790,355.00	\$6,549,735.00
(272) <i>Hereafter</i> , the Secretary of Agriculture is authorized, under general regulations to be prescribed by him, to permit the prospecting, development, and utilization of the mineral resources of the lands acquired under the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes, page nine hundred and sixty-one), known as the Weeks law, upon such terms and for specified periods or otherwise, as he may deem to be for the best interests of the United States; and all moneys received on account of charges, if any, made under this Act shall be disposed of as is provided by existing law for the disposition of receipts from national forests.		
NOTE.—The word "hereafter" has been added to this paragraph in order to make it continuing legislation. It is believed that this was the intention of Congress, but, in the opinion of the law officers of this department, there is some doubt as to its being continuing legislation in its present form.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p align="center">BUREAU OF CHEMISTRY.</p> <p><i>Salaries, Bureau of Chemistry—</i></p>		
(1) One chemist, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1, and Aug. 11, 1916, vol. 39, pp. 462, 463, sec. 1</i>)	\$5, 000. 00	
(2) One chief clerk (<i>same acts</i>)	2, 500. 00	
(3) One executive clerk (in lieu of 1 executive clerk at \$2,000, with increase of \$250) (<i>same acts</i>)	2, 250. 00	
<p>NOTE.—This change will provide a promotion for one executive clerk from \$2,000. This employee is in charge of the accounting work of the bureau and has been in the department 11 years without promotion since 1912. The position requires a man with a thorough knowledge of accounting, auditing, and fiscal regulations, and a high order of ability.</p>		
(4) Four executive clerks, at \$2,000 each (increase of 2 in lieu of 2 clerks, class 4, with increase of \$200 each, and decrease of 1 by change to 1 executive clerk at \$2,250, making net increase of 1) (<i>same acts</i>)	8, 000. 00	
<p>NOTE.—These changes will provide promotions for the executive clerk to the assistant chief of bureau and the executive clerk in charge of the office of records. Both employees are assigned to important and responsible work. One of them has been in the department for nine years, while the other has served seven years.</p> <p>One executive clerk at \$2,000 has also been changed to one executive clerk at \$2,250, as explained in the preceding note.</p>		
(5) Eight clerks, class 4 (decrease of 2 by change to 2 executive clerks at \$2,000 each, and increase of 2 in lieu of 4 clerks at \$900 each, making no change in the number of places) (<i>same acts</i>)	14, 400. 00	
<p>NOTE.—This change involves the substitution of 2 clerks of class 4 for 4 clerks at \$900 each, and will make it possible to promote six deserving employees and to appoint two new clerks at \$1,200 each without increasing the total appropriation. Experience has shown that it is impossible to secure clerks with the requisite qualifications to handle the technical and legal work in connection with the enforcement of the food and drugs act for less than \$1,200 per annum. It is also important that clerks who after sufficient experience become acquainted with the technical requirements of this work be promoted to salaries that will insure their retention in the department.</p> <p>Two clerks of class 4 have also been changed to 2 executive clerks at \$2,000 each, as explained in the preceding note.</p>		
(6) Eleven clerks, class 3 (<i>same acts</i>)	17, 600. 00	
(7) One clerk (<i>same acts</i>)	1, 440. 00	
(8) Fifteen clerks, class 2 (increase of 3, 2 by transfer from lump fund for food and drugs, and 1 in lieu of 1 clerk at \$840 and 1 clerk at \$720, with decrease of \$160) (<i>same acts</i>)	21, 000. 00	
<p>NOTE.—This change proposes the substitution of 1 clerk, class 2, for 1 clerk at \$840 and 1 at \$720, making a net decrease of \$160. It contemplates the promotion of a \$1,300 employee who has important clerical work at the central district headquarters of the bureau. He has been in the department service over seven years. It is also planned to promote one clerk from \$1,200 to \$1,300, and appoint a new clerk at \$1,200. It is practically impossible to secure efficient clerks at \$840 and \$900.</p>		
(9) One clerk (<i>same acts</i>)	1, 300. 00	
(10) Thirty-nine clerks, class 1 (increase of 16 by transfer from lump fund for food and drugs) (<i>same acts</i>)	46, 800. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

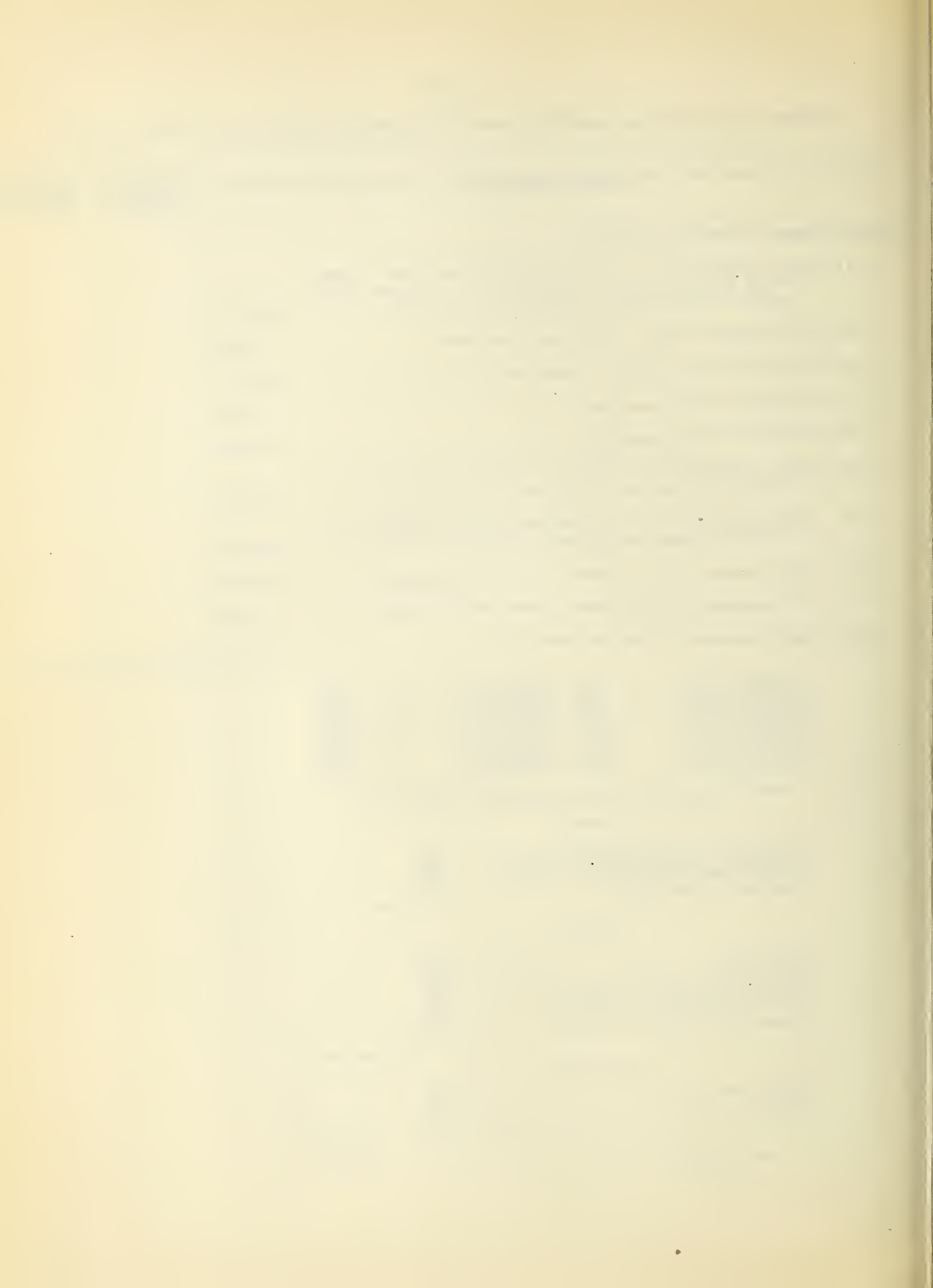
General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Chemistry—Continued.</i>		
(11) One clerk (by transfer from lump fund for food and drugs) (<i>R. S., p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1, and Aug. 11, 1916, vol. 39, pp. 462, 463, sec. 1</i>) -----	\$1, 100. 00	
(12) Thirteen clerks, at \$1,020 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	13, 260. 00	
(13) Thirteen clerks, at \$1,000 each (<i>same acts</i>) -----	13, 000. 00	
(14) One clerk (<i>same acts</i>) -----	960. 00	
(15) Thirty clerks, at \$900 each (decrease of 4 by change to 2 clerks, class 4) (<i>same acts</i>) -----	27, 000. 00	
NOTE.—See note under item 5.		
(16) One clerk, \$840, and one clerk, \$720, changed to one clerk, class 2.		
NOTE.—See note under item 8.		
(17) Two food and drug inspectors, at \$2,500 each (increase of 1) (<i>same acts</i>) -----	5, 000. 00	
NOTE.—This change is recommended in order to provide an adequate salary for an employee, now receiving \$2,250, who will be placed in charge of the inspection work in the central district and supervise the work of 20 other inspectors. The compensation of a similar position in the eastern district is \$2,500. If this new place is allowed, it will be possible to promote five inspectors in the lower grades, all of whom perform responsible duties and are entitled to higher salaries. Some of these employees have been in the department 10 years, without promotion for 4 or 5 years. It will also permit the appointment of a new inspector at \$1,400. See note under item 23.		
(18) Three food and drug inspectors, at \$2,250 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	6, 750. 00	
(19) Twelve food and drug inspectors, at \$2,000 each (<i>same acts</i>) ----	24, 000. 00	
(20) Fifteen food and drug inspectors, at \$1,800 each (increase of 2) (<i>same acts</i>) -----	27, 000. 00	
NOTE.—See note under item 23.		
(21) One food and drug inspector (<i>same acts</i>) -----	1, 620. 00	
(22) Thirteen food and drug inspectors, at \$1,600 each (increase of 2) (<i>same acts</i>) -----	20, 800. 00	
NOTE.—See note under item 23.		
(23) Eight food and drug inspectors, at \$1,400 each (increase of 2) (<i>same acts</i>) -----	11, 200. 00	
NOTE.—Items 20, 22, and 23 provide for 2 additional places at \$1,800, 2 at \$1,600, and 2 at \$1,400. These new places, if allowed, will make possible the promotion of six employees in the lower grades and the appointment of six new inspectors at \$1,400. An additional inspector at \$1,400 will also be provided as a result of promotions incident to the creation of a new place at \$2,500, as explained in the note under item 17. These additional inspectors are necessary in order to adequately handle the inspection work under the food and drugs act. The bureau has only 46 inspectors to cover the entire United States. This number has proven insufficient. Lack of inspectors has frequently made it necessary to omit or postpone important investigations.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Chemistry—Continued.</i>		
(24) One assistant (<i>R. S.</i> , p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1, and Aug. 11, 1916, vol. 39, pp. 462, 463, sec. 1) -----	\$1, 600. 00	
(25) Four laboratory helpers, at \$1,200 each (<i>same acts</i>) -----	4, 800. 00	
(26) One laboratory helper (<i>same acts</i>) -----	1, 020. 00	
(27) Four laboratory helpers, at \$1,000 each (<i>same acts</i>) -----	4, 000. 00	
(28) Four laboratory helpers, at \$960 each (<i>same acts</i>) -----	3, 840. 00	
(29) Three laboratory helpers, at \$900 each (<i>same acts</i>) -----	2, 700. 00	
(30) Six laboratory helpers, at \$840 each (<i>same acts</i>) -----	5, 040. 00	
(31) Two laboratory helpers, at \$780 each (<i>same acts</i>) -----	1, 560. 00	
(32) Twenty-three laboratory helpers, messenger boys, or laborers, at \$720 each (increase of 2 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	16, 560. 00	
(33) Two laboratory helpers, messenger boys, or laborers, at \$660 each (<i>same acts</i>) -----	1, 320. 00	
(34) Thirty-four laboratory helpers, messenger boys, or laborers, at \$600 each (increase of 6, 5 by transfer from lump fund for food and drugs, and 1 from color investigations) (<i>same acts</i>) -----	20, 400. 00	
(35) One laboratory assistant (<i>same acts</i>) -----	1, 200. 00	
(36) One toolmaker (<i>same acts</i>) -----	1, 200. 00	
(37) Two samplers, at \$1,200 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	2, 400. 00	
(38) One janitor (<i>same acts</i>) -----	1, 020. 00	
(39) One mechanic (increase of \$200) (<i>same acts</i>) -----	1, 600. 00	
NOTE.—This employee has charge of all the mechanical work of the bureau. He has served eight years in the department and was last promoted September 1, 1914. He has supervision of the work of 31 employees. The position requires executive ability, a thorough knowledge of the principles of mechanical construction, as well as practical mechanical skill.		
(40) One mechanic (<i>same acts</i>) -----	1, 200. 00	
(41) One mechanic (in lieu of 1 mechanic at \$960 with increase of \$120) (<i>same acts</i>) -----	1, 080. 00	
NOTE.—The employee occupying this position is a carpenter. His present salary is below that usually paid for similar work and the increase recommended is fully justified. He has served without promotion for nearly three years.		
(42) One mechanic (<i>same acts</i>) -----	1, 020. 00	
(43) 【One mechanic, \$960, changed to one mechanic, \$1,080.】		
NOTE.—See note under item 41.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
Salaries, Bureau of Chemistry—Continued.		
(44) One mechanic (<i>R. S.</i> , p. 87, secs. 520–523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1, and Aug. 11, 1916, vol. 39, pp. 462, 463, sec. 1) -----	\$900. 00	
(45) Two student assistants, at \$300 each (<i>same acts</i>) -----	600. 00	
(46) Two messengers, at \$840 each (<i>same acts</i>) -----	1, 680. 00	
(47) One skilled laborer (<i>same acts</i>) -----	1, 050. 00	
(48) One skilled laborer (<i>same acts</i>) -----	840. 00	
(49) Three messenger boys or laborers, at \$540 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	1, 620. 00	
(50) Twelve messenger boys or laborers, at \$480 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	5, 760. 00	
(51) Three messenger boys or laborers, at \$420 each (<i>same acts</i>) -----	1, 260. 00	
(52) Two messenger boys or laborers, at \$360 each (<i>same acts</i>) -----	720. 00	
(53) Nine charwomen, at \$240 each (<i>same acts</i>) -----	2, 160. 00	
	<hr/>	
	\$362, 130. 00	\$315, 590. 00
<div>Appropriations for 1908..... \$47,920</div> <div>Appropriations for 1909..... 66,720</div> <div>Appropriations for 1910..... 75,560</div> <div>Appropriations for 1911..... 79,360</div> <div>Appropriations for 1912..... 242,190</div> <div>Appropriations for 1913..... 254,660</div> <div>Appropriations for 1914..... 273,860</div> <div>Appropriations for 1915..... 282,600</div> <div>Appropriations for 1916..... 291,540</div> <div>Appropriations for 1917..... 315,590</div> <div>Estimates for 1909..... \$66,720</div> <div>Estimates for 1910..... 83,240</div> <div>Estimates for 1911..... 79,360</div> <div>Estimates for 1912..... 242,190</div> <div>Estimates for 1913..... 262,940</div> <div>Estimates for 1914..... 274,860</div> <div>Estimates for 1915..... 281,500</div> <div>Estimates for 1916..... 291,540</div> <div>Estimates for 1917..... 315,590</div> <div>Estimates for 1918..... 362,130</div>		
NOTE.—Apparent increase, \$46,540; actual increase, \$12,910, as follows:		
Promotions.		
<div>1 executive clerk, from \$2,000 to \$2,250..... \$250</div> <div>2 clerks, class 4, to 2 executive clerks, at \$2,000 each... 400</div> <div>1 mechanic, from \$1,400 to \$1,600..... 200</div> <div>1 mechanic, from \$960 to \$1,080..... 120</div> <div></div> <div><hr/></div> <div>\$970</div>		
New places.		
<div>2 clerks, class 4..... 3,600</div> <div>1 clerk, class 2..... 1,400</div> <div>1 food and drug inspector..... 2,500</div> <div>2 food and drug inspectors, at \$1,800 each..... 3,600</div> <div>2 food and drug inspectors, at \$1,600 each..... 3,200</div> <div>2 food and drug inspectors, at \$1,400 each..... 2,800</div> <div></div> <div><hr/></div> <div>17,100</div> <div><hr/></div> <div>\$18,070</div>		
Places dropped.		
<div>4 clerks, at \$900 each..... 3,600</div> <div>1 clerk..... 840</div> <div>1 clerk..... 720</div> <div></div> <div><hr/></div> <div>5,160</div> <div><hr/></div> <div>Actual increase..... 12,910</div>		



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Chemistry—Continued.</i>		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
2 clerks, class 2, from food and drugs.....	\$2,800	
16 clerks, class 1, from food and drugs.....	19,200	
1 clerk, from food and drugs.....	1,100	
1 clerk, from food and drugs.....	1,020	
1 food and drug inspector, from food and drugs.....	2,250	
2 laboratory helpers, messenger boys, or laborers, at \$720 each, from food and drugs.....	1,440	
6 laboratory helpers, messenger boys, or laborers, at \$600 each, 5 from food and drugs, and 1 from color investigations.....	3,600	
1 sampler, from food and drugs.....	1,200	
1 messenger boy or laborer, from food and drugs.....	540	
1 messenger boy or laborer, from food and drugs.....	480	
	<u>\$33,630</u>	
Apparent increase.....	46,540	
<i>Change of title.</i>		
2 executive clerks, at \$2,000 each, in lieu of 2 clerks, class 4.		

General Expenses, Bureau of Chemistry—

(54) For all necessary expenses, for chemical apparatus, chemicals and supplies, repairs to apparatus, gas, electric current, official traveling expenses, telegraph and telephone service, express and freight charges, for the employment of such assistants, clerks, and other persons as the Secretary of Agriculture may consider necessary for the purposes named, in the city of Washington and elsewhere, in conducting investigations, collecting, reporting, and illustrating the results of such investigations; and for rent outside of the District of Columbia, for carrying out the investigations and work herein authorized, as follows (*R. S.*, p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1):

(55) For conducting the investigations contemplated by the act of May fifteenth, eighteen hundred and sixty-two, relating to the application of chemistry to agriculture (*same acts*) \$42,400.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
		<i>Number.</i>	<i>Number.</i>
Salaries:			
Chemist in charge.....per annum..	\$3,500.00	1	1
Chemist in charge.....do.....	3,000.00	1	1
Chemist in charge.....do.....	2,520.00	1	1
Physiological chemist.....do.....	2,280.00	1	1 (6 mos.)
Scientific assistant.....do.....	2,000.00	1	1
Assistant chemists.....do.....	1,800.00	4	4 (1 for 3½ mos.)
Assistant chemist.....do.....	1,820.00	1	1
Assistant chemist.....do.....	1,440.00	2	2 (1 for 5 mos.)
Assistant chemist.....do.....	1,260.00	1	1 (4 mos.)
Assistant chemists.....do.....	1,200.00	6	4 (1 for 3½ mos.)
Potato specialist.....do.....	3,600.00	1	1 (temp.)
Laboratory assistant.....do.....	2,400.00	1	1 (temp.)
Junior engineer.....do.....	1,500.00	1	1 (temp.)
Chemist's aids, \$900 to \$720.....do.....		3	3 (temp.)
Wages:			
Temporary laborers.....do.....	480.00	2	2
Salaries.			
		\$30,700.00	\$30,489.89
Wages.			
			440.00
Other objects of expenditure:			
Traveling expenses.....		1,250.00	1,243.44
Equipment and material.....		9,250.00	8,776.47
Miscellaneous items.....		1,200.00	1,191.18
Total.....		42,400.00	42,140.98

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																
General Expenses, Bureau of Chemistry—Continued.																																																																		
(56) For collaboration with other departments of the Government desiring chemical investigations and whose heads request the Secretary of Agriculture for such assistance, and for other miscellaneous work (<i>R. S., p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768–770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1</i>) -----	\$14,000.00																																																																	
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chemist in charge.....per annum..</td><td>\$3,000.00</td><td>1 (6 mos.)</td><td>1 (7 mos.)</td></tr><tr><td>Assistant chemist.....do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do.....</td><td>2,040.00</td><td>1</td><td>--</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,800.00</td><td>1</td><td>2 (1 for 5 mos.)</td></tr><tr><td>Engineer in charge of grain dust explosion investigations.....per annum..</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Micro-analyst.....do.....</td><td>1,620.00</td><td>1 (6 mos.)</td><td>1 (8 mos.)</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,200.00</td><td>--</td><td>1 (1½ mos.)</td></tr><tr><td>Clerk and collaborator, \$900 and \$150, per annum.....</td><td></td><td>--</td><td>2 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$11,070.00</td><td>\$10,501.25</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>1,700.00</td><td>2,073.48</td></tr><tr><td>Equipment and material.....</td><td></td><td>880.00</td><td>1,032.62</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>350.00</td><td>359.17</td></tr><tr><td>Total.....</td><td></td><td>14,000.00</td><td>13,966.52</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Chemist in charge.....per annum..	\$3,000.00	1 (6 mos.)	1 (7 mos.)	Assistant chemist.....do.....	2,520.00	1	1	Assistant chemist.....do.....	2,040.00	1	--	Assistant chemists.....do.....	1,800.00	1	2 (1 for 5 mos.)	Engineer in charge of grain dust explosion investigations.....per annum..	2,400.00	1	1	Micro-analyst.....do.....	1,620.00	1 (6 mos.)	1 (8 mos.)	Scientific assistant.....do.....	1,200.00	--	1 (1½ mos.)	Clerk and collaborator, \$900 and \$150, per annum.....		--	2 (temp.)	Salaries.....		\$11,070.00	\$10,501.25	Other objects of expenditure:				Traveling expenses.....		1,700.00	2,073.48	Equipment and material.....		880.00	1,032.62	Miscellaneous items.....		350.00	359.17	Total.....		14,000.00	13,966.52		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																															
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Total.....		14,000.00	13,966.52																																																															
(57) For investigating the character of the chemical and physical tests which are applied to American food products in foreign countries, and for inspecting the same before shipment when desired by the shippers or owners of these products intended for countries where chemical and physical tests are required before the said products are allowed to be sold therein; and for all necessary expenses in connection with such inspection and studies of methods of analysis in foreign countries (<i>same acts</i>)	4,280.00																																																																	
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant chemist.....per annum..</td><td>\$1,800.00</td><td>1 (6 mos.)</td><td>1 (6 mos.)</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,620.00</td><td>1</td><td>2 (1 for 3½ mos.)</td></tr><tr><td>Assistant chemist.....do.....</td><td>1,440.00</td><td>--</td><td>1 (2½ mos.)</td></tr><tr><td>Assistant chemist.....do.....</td><td>1,200.00</td><td>1</td><td>1 (7 mos.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$3,720.00</td><td>\$3,958.83</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>560.00</td><td>277.68</td></tr><tr><td>Total.....</td><td></td><td>4,280.00</td><td>4,236.51</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant chemist.....per annum..	\$1,800.00	1 (6 mos.)	1 (6 mos.)	Assistant chemists.....do.....	1,620.00	1	2 (1 for 3½ mos.)	Assistant chemist.....do.....	1,440.00	--	1 (2½ mos.)	Assistant chemist.....do.....	1,200.00	1	1 (7 mos.)	Salaries.....		\$3,720.00	\$3,958.83	Other objects of expenditure:				Equipment and material.....		560.00	277.68	Total.....		4,280.00	4,236.51																										
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(58) For investigating the preparation for market, handling, grading, packing, freezing, drying, storing, transportation, and preservation of poultry and eggs, and for experimental shipments of poultry and eggs within the United States, in cooperation with the [Office of Markets and Rural Organization] Bureau of Markets and the Bureau of Animal Industry [\$40,000] (<i>same acts</i>) -----	50,000.00																																																																	
<p>NOTE.—There is an increase in the item of \$10,000. This sum is needed in order to extend the practical demonstration of methods of handling, packing, storing, and shipping of poultry and eggs and to continue the laboratory research work on which these methods are based. Many requests for assistance are received from territory not yet covered by the demonstration car. On account of lack of funds, it was necessary to suspend work on the study of damage to eggs when shipped in less-than-carload lots. It is desired to continue this investigation and also to conduct further studies on the preservation of eggs and dressed poultry in cold storage.</p> <p>The indicated change proposed in the name of the Office of Markets and Rural Organization will be discussed in the estimates for that bureau.</p>																																																																		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

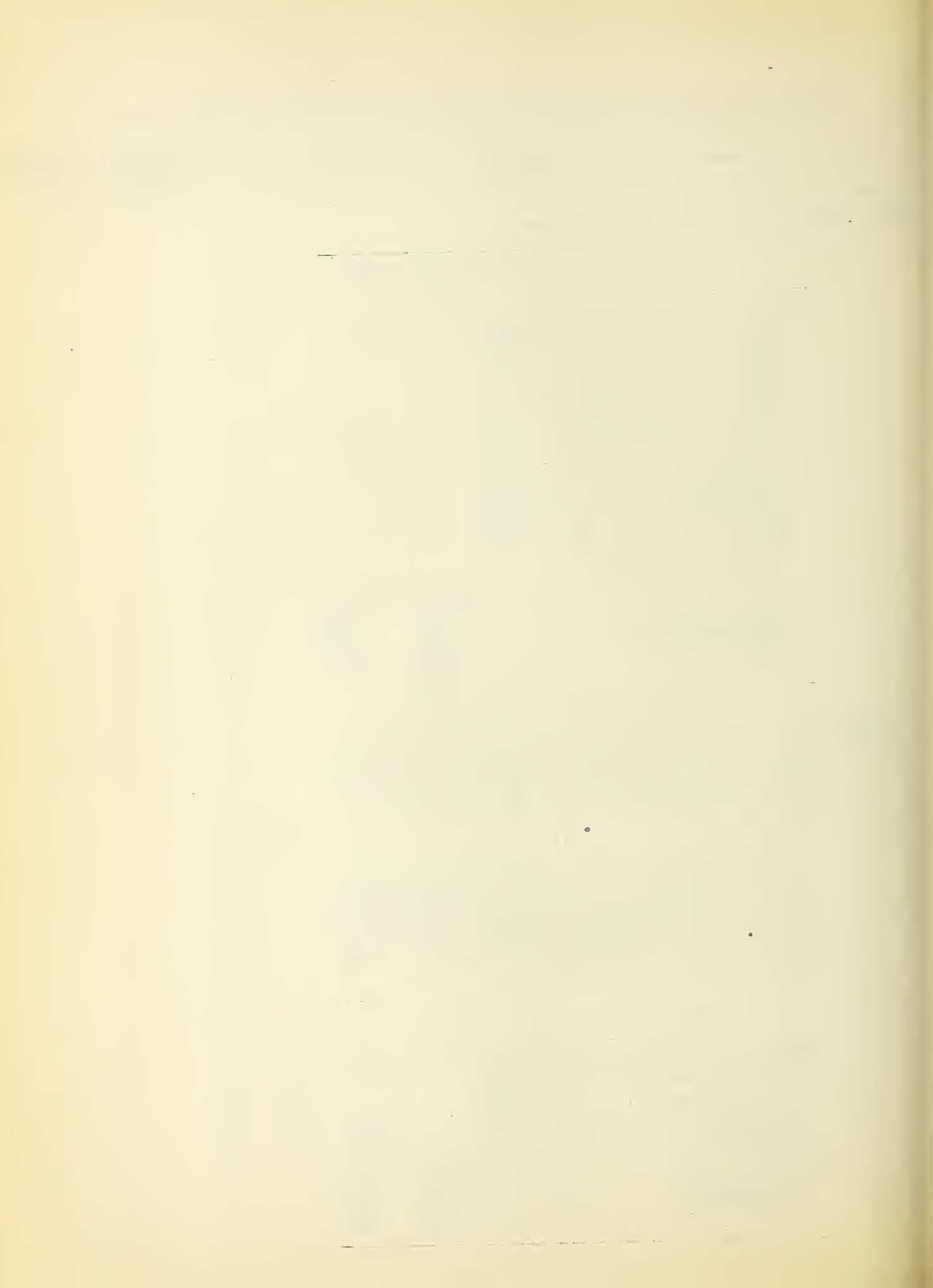
General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Chemistry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Chief of food research laboratory . . . per annum..	{ \$3,500.00 3,250.00 }	1	1 (8 mos.)		
Investigators in poultry and egg handling, per annum.....	2,520.00	2	1		
Investigator in poultry and egg handling, per annum.....	2,280.00	1	1		
Investigators in poultry and egg handling, per annum.....	1,620.00	2	--		
Investigators in poultry and egg handling, per annum.....	1,440.00	1	2		
Investigators in poultry and egg handling, per annum.....	1,200.00	1	2 (1 for 8 mos.)		
Investigators in poultry and egg handling, per annum.....	1,020.00	1	2 (1 temp.; 1 for 4 mos.)		
Assistant chemist.....per annum..	2,520.00	1	--		
Assistant chemist.....do.....	2,280.00	1	1		
Assistant chemists.....do.....	2,040.00	1	2		
Assistant chemist.....do.....	1,800.00	1	1		
Assistant chemist.....do.....	1,620.00	1	1 (1 mo.)		
Assistant bacteriologist.....do.....	1,800.00	1	1		
Bacteriologists.....do.....	1,620.00	2	2		
Junior chemist.....do.....	1,200.00	1	1 (4 mos.)		
Clerk *.....do.....	1,200.00	--	1		
Clerk, aid, collaborators, and artist—\$780 to \$300 per annum.....		--	5 (temp.)		
\$9 per diem.....		1 (temp.)	1 (temp.)		
Salaries.....		\$32,810.00	\$26,279.96		
Other objects of expenditure:					
Traveling expenses.....		5,000.00	4,280.04		
Equipment and material.....		8,290.00	5,027.20		
Telegraph and telephone service.....		700.00	651.96		
Miscellaneous items.....		3,200.00	3,570.35		
Total.....		50,000.00	39,809.51		

* Transferred to statutory roll in Agricultural act for 1917.

- (59) For investigating the handling, grading, packing, canning, freezing, storing, and transportation of fish, and for experimental shipments of fish, for the utilization of waste products, and the development of new sources of food **[\$14,000]** (*R. S.*, p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1) \$18,600.00

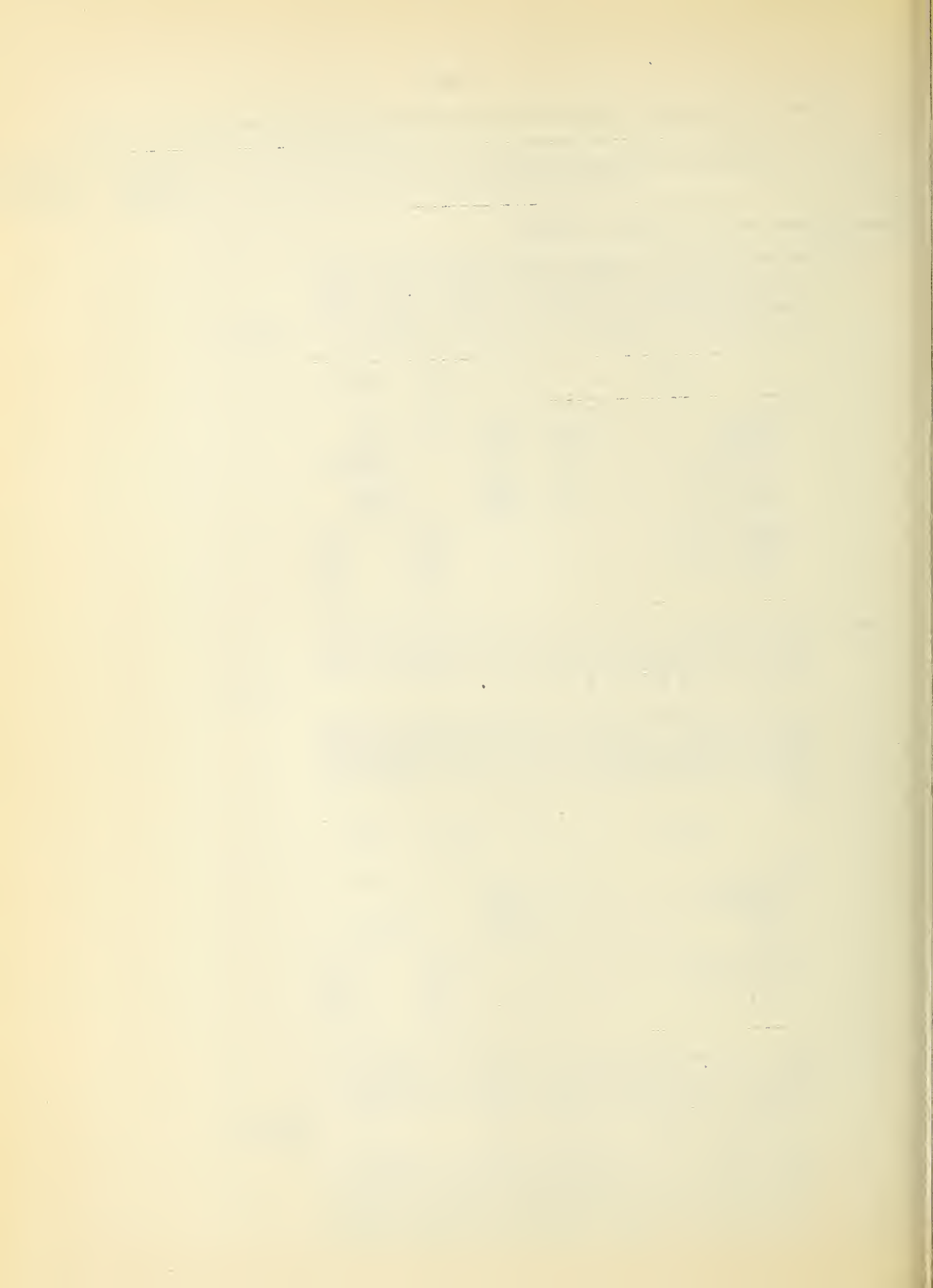
NOTE.—In order properly to conduct investigational work in the handling and shipping of fish, an increase of \$4,600 is needed. This sum will enable the bureau to secure the services of one additional chemist and one bacteriologist and to provide for their necessary laboratory expenses. Under present practices and because of a lack of knowledge of proper methods of handling and shipping fish, there is great waste from spoilage. The work already done has shown that great improvement can be expected in these methods, but many bacteriological and chemical problems must be solved before the best methods can be determined.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Chief of food research laboratory . . . per annum..	\$3,250.00	--	1 (4 mos.)
Investigator in fish and fish products.....do.....	{ 2,520.00 2,280.00 }	1	1
Assistant in fish investigations.....do.....	{ 1,800.00 1,620.00 }	1	1 (6 mos.)
Assistants in fish investigations.....do.....	1,200.00	2	2 (1 temp.)
Junior chemist.....do.....	1,800.00	1	1 (3½ mos.)
Assistant chemist.....do.....	1,620.00	1	1 (4½ mos.)
Micro-analyst.....per diem..	7.00	--	1 (temp.)
Salaries.....		\$10,140.00	\$6,697.11
Other objects of expenditure:			
Traveling expenses.....		4,500.00	3,787.32
Equipment and material.....		2,210.00	2,087.40
Miscellaneous items.....		1,750.00	1,317.79
Total.....		18,600.00	13,889.62



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																
General Expenses, Bureau of Chemistry—Continued.																																																																		
(60) For investigating the packing, handling, storing, and shipping of oysters and other shellfish in the United States and the waters bordering on the United States (<i>R. S., p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768–770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1</i>)	\$5,000.00																																																																	
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Bacteriologist.....per annum..</td><td>\$2,280.00</td><td>1 (4 mos.)</td><td>..</td></tr><tr><td>Bacteriologist.....do.....</td><td>2,040.00</td><td>1</td><td>1 (2 mos.)</td></tr><tr><td>Bacteriologist.....do.....</td><td>2,000.00</td><td>..</td><td>1 (6 mos.)</td></tr><tr><td>Bacteriologists.....do.....</td><td>1,440.00</td><td>..</td><td>2 (1 for 5 mos., 1 for 2½ mos.)</td></tr><tr><td>Junior bacteriologist.....do.....</td><td>1,200.00</td><td>1 (6 mos.)</td><td>..</td></tr><tr><td>Junior bacteriologist.....do.....</td><td>1,080.00</td><td>..</td><td>1 (9 mos.)</td></tr><tr><td>Junior bacteriologist.....do.....</td><td>1,020.00</td><td>..</td><td>1 (3 mos.)</td></tr><tr><td>Charwoman.....do.....</td><td>480.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$3,400.00</td><td>\$3,487.67</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>670.00</td><td>670.44</td></tr><tr><td>Equipment and material.....</td><td></td><td>910.00</td><td>780.76</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>20.00</td><td>16.68</td></tr><tr><td>Total.....</td><td></td><td>5,000.00</td><td>4,955.55</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Bacteriologist.....per annum..	\$2,280.00	1 (4 mos.)	..	Bacteriologist.....do.....	2,040.00	1	1 (2 mos.)	Bacteriologist.....do.....	2,000.00	..	1 (6 mos.)	Bacteriologists.....do.....	1,440.00	..	2 (1 for 5 mos., 1 for 2½ mos.)	Junior bacteriologist.....do.....	1,200.00	1 (6 mos.)	..	Junior bacteriologist.....do.....	1,080.00	..	1 (9 mos.)	Junior bacteriologist.....do.....	1,020.00	..	1 (3 mos.)	Charwoman.....do.....	480.00	..	1 (temp.)	Salaries.....		\$3,400.00	\$3,487.67	Other objects of expenditure:				Traveling expenses.....		670.00	670.44	Equipment and material.....		910.00	780.76	Miscellaneous items.....		20.00	16.68	Total.....		5,000.00	4,955.55		
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(61) For the biological investigation of food and drug products and substances used in the manufacture thereof, including investigations of the physiological effects of such products on the human organism ["\$10,000"] (<i>same acts</i>)	15,000.00																																																																	
NOTE.—An increase of \$5,000 in this item is recommended. Important results have been obtained bearing upon the feeding value of a few of the ordinary stock feeds. Investigations of the protein content have indicated that the nutritive value of certain feeds which lack some elements may be increased by adding other feeds to the diet. If the increase is allowed, it is proposed to extend this investigation to include a number of additional stock feeds.																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Organic chemist.....per annum..</td><td>\$3,000.00</td><td>1</td><td>..</td></tr><tr><td>Organic chemist.....do.....</td><td>2,750.00</td><td>1</td><td>1</td></tr><tr><td>Organic chemist.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Organic chemists.....do.....</td><td>1,800.00</td><td>..</td><td>2 (1 for 9½ mos.)</td></tr><tr><td>Chemist.....do.....</td><td>1,620.00</td><td>..</td><td>1 (6 mos.)</td></tr><tr><td>Chemists.....do.....</td><td>1,200.00</td><td>3</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$11,850.00</td><td>\$8,610.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>500.00</td><td>152.35</td></tr><tr><td>Equipment and material.....</td><td></td><td>2,575.00</td><td>929.90</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>75.00</td><td>57.01</td></tr><tr><td>Total.....</td><td></td><td>15,000.00</td><td>9,749.26</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Organic chemist.....per annum..	\$3,000.00	1	..	Organic chemist.....do.....	2,750.00	1	1	Organic chemist.....do.....	2,500.00	1	1	Organic chemists.....do.....	1,800.00	..	2 (1 for 9½ mos.)	Chemist.....do.....	1,620.00	..	1 (6 mos.)	Chemists.....do.....	1,200.00	3	1	Salaries.....		\$11,850.00	\$8,610.00	Other objects of expenditure:				Traveling expenses.....		500.00	152.35	Equipment and material.....		2,575.00	929.90	Miscellaneous items.....		75.00	57.01	Total.....		15,000.00	9,749.26										
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(62) For the study and improvement of methods of utilizing by-products of citrus fruits; and the investigation and development of methods for determining maturity in fruits and vegetables, in cooperation with the Bureau of Plant Industry and the Bureau of Markets ["\$8,080"] (<i>same acts</i>)	13,000.00																																																																	
NOTE.—There is an increase in this item of \$4,920. New language is also added providing for "the investigation and development of methods for determining maturity in fruits and vegetables." It is estimated that for the fiscal year 1918 the maturity work will require \$6,000 and the investigations in the utilization of citrus by-products \$7,000. It is believed that the work on maturity will be of the greatest constructive value to the producers and shippers of fruits and vegetables. The demand for an investigation of this																																																																		



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																				
General Expenses, Bureau of Chemistry—Continued.																																																																																									
kind, especially on the part of producers and shippers of citrus fruits, is very urgent, and the information which is sought to be developed will also be important in connection with the enforcement of the food and drugs act.																																																																																									
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Chemist in charge.....per annum..</td><td>\$3,000.00</td><td>1 (6 mos.)</td><td>1 (6 mos.)</td></tr><tr><td>Assistant chemists.....do....</td><td>2,040.00</td><td>2</td><td>1</td></tr><tr><td>Junior chemists.....do....</td><td>1,200.00</td><td>2</td><td>1</td></tr><tr><td>General mechanic.....do....</td><td>1,200.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>General mechanic*.....do....</td><td>1,200.00</td><td>..</td><td>1</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Laborer*.....do....</td><td>720.00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$7,860.00</td><td>\$5,540.00</td></tr><tr><td>Wages.....</td><td></td><td></td><td>720.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>500.00</td><td>197.04</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,080.00</td><td>2,353.48</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,560.00</td><td>1,045.23</td></tr><tr><td>Total.....</td><td></td><td>13,000.00</td><td>9,855.75</td></tr></table>						Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		Number.	Number.	Chemist in charge.....per annum..	\$3,000.00	1 (6 mos.)	1 (6 mos.)	Assistant chemists.....do....	2,040.00	2	1	Junior chemists.....do....	1,200.00	2	1	General mechanic.....do....	1,200.00	..	1 (temp.)	General mechanic*.....do....	1,200.00	..	1	Wages:				Laborer*.....do....	720.00	..	1	Salaries.....		\$7,860.00	\$5,540.00	Wages.....			720.00	Other objects of expenditure:				Traveling expenses.....		500.00	197.04	Equipment and material.....		3,080.00	2,353.48	Miscellaneous items.....		1,560.00	1,045.23	Total.....		13,000.00	9,855.75																				
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(63) For investigation and experiment in the utilization, for coloring purposes, of raw materials grown or produced in the United States, including repairs, alterations, improvements, or additions to a building on the Arlington Experimental Farm [\$50,000] (R. S., p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1).....																																																																																									
					\$49,400.00																																																																																				
NOTE.—There is an apparent decrease in this item of \$600, due to the transfer of 1 laboratory aid or laborer at \$600 to the statutory roll.																																																																																									
New language has been added to the item authorizing repairs, alterations, improvements, or additions to a building on the Arlington Experimental Farm for conducting the color investigations. This change is recommended in view of the fact that it will probably be necessary to erect an addition to one of the buildings which the bureau expects to use at the Arlington Farm in connection with experimental work under this item, and because specific authority is required for the use of any part of an appropriation in the erection of buildings.																																																																																									
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																												
<i>General Expenses, Bureau of Chemistry—Continued.</i>																																														
(64) For the purchase and equipment of a traveling laboratory, \$7,500.]																																														
NOTE.—No further funds are needed for this purpose, and the item therefore is omitted.																																														
(65) <i>For the investigation and development of methods for the manufacture of table sirup (submitted)</i>	\$7,000.00																																													
NOTE.—This is a new item, although similar work has been under way for the past three years under an allotment of \$4,000 from a special item of \$10,000 carried under the Bureau of Plant Industry. In view of the fact that the Bureau of Plant Industry item of \$10,000 was provided for investigating all phases of the cane-sirup work, including studies relating to production and methods of manufacture, marketing, etc., and that only \$4,000 of this amount has been allotted to the Bureau of Chemistry, this new item represents an actual increase of \$3,000 for investigating the manufacturing problems involved. The funds heretofore available have been insufficient for this purpose, and it is estimated that it will require a total of \$7,000 to continue the work already under way and adequately provide for its extension. Laboratory experiments have developed a method for making cane sirup which will not readily ferment or crystallize. It is now proposed to apply these methods practically on a commercial scale.																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chemist..... per annum..</td><td>\$2,520.00</td><td>1</td><td>..</td></tr><tr><td>Chemist..... do.....</td><td>1,620.00</td><td>1</td><td>..</td></tr><tr><td>Chemist's aid..... do.....</td><td>720.00</td><td>1</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$4,860.00</td><td></td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>400.00</td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>1,390.00</td><td></td></tr><tr><td>Miscellaneous items.....</td><td></td><td>350.00</td><td></td></tr><tr><td>Total.....</td><td></td><td>7,000.00</td><td></td></tr></table>			Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:		<i>Number.</i>	<i>Number.</i>	Chemist..... per annum..	\$2,520.00	1	..	Chemist..... do.....	1,620.00	1	..	Chemist's aid..... do.....	720.00	1	..	Salaries.....		\$4,860.00		Other objects of expenditure:				Traveling expenses.....		400.00		Equipment and material.....		1,390.00		Miscellaneous items.....		350.00		Total.....		7,000.00	
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(66) <i>For enabling the Secretary of Agriculture to carry into effect the provisions of the act of June thirtieth, nineteen hundred and six, entitled "An Act for preventing the manufacture, sale, or transportation of adulterated, or misbranded, or poisonous, or deleterious foods, drugs, medicines, and liquors, and for regulating traffic therein, and for other purposes," in the city of Washington and elsewhere, including chemical apparatus, chemicals and supplies, repairs to apparatus, gas, electric current, official traveling expenses, telegraph and telephone service, express and freight charges, and all other expenses, employing such assistants, clerks and other persons as may be considered necessary for the purposes named, and rent outside of the District of Columbia; and to cooperate with associations and scientific societies in the revision of the United States Pharmacopœia and development of methods of analysis</i> [\$632,951] <i>(R. S., p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1)</i>	623,521.00																																													
NOTE.—There is an apparent decrease in this item of \$9,430, but, taking into consideration the transfer to the statutory roll of this bureau of 31 employees, with salaries aggregating \$33,030, and the transfer of 1 clerk, class 2, and 1 electrical engineer and draftsman at \$1,200 to the statutory roll of the Secretary's Office, there is an actual increase of \$26,200. This additional amount is needed in order to provide for the normal development of the inspection work, to meet the continued advance in the price of chemicals and chemical apparatus, and to provide for the increased work under the net weight and Sherley amendments to the food and drugs act.																																														

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Chemistry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Assistant chiefs.....per annum..	\$4,000.00	2	2		
Chemists in charge of laboratories.....do....	4,000.00	3	3		
Chemists in charge of laboratories.....do....	3,500.00	2	2		
Chemists in charge of laboratories.....do....	3,250.00	5	4 (2 for 9 mos.)		
Chemists in charge of laboratories.....do....	3,000.00	5	5 (1 for 9 mos.; 1 for 6 mos.; 1 for 5 mos.)		
Chemists in charge of laboratories.....do....	2,760.00	2	2 (1 for 6 mos.)		
Chemist in charge of laboratory.....do....	2,750.00	..	1		
Chemists in charge of laboratories.....do....	2,640.00	2	1		
Chemists in charge of laboratories.....do....	2,520.00	6	8 (1 for 6 mos.)		
Chemists in charge of laboratories.....do....	2,280.00	2	4		
Chemist in charge of laboratory.....do....	2,040.00	1	..		
Chemists in charge of laboratories.....do....	1,800.00	..	3		
Chemist in charge of food and drug inspection.....per annum..	4,000.00	1	1		
Chemist in food and drug inspection.....do....	3,000.00	1	1		
Chief of food and drug inspection district, per annum.....	4,000.00	1	1		
Chief of food and drug inspection district, per annum.....	3,600.00	1	1		
Chief of food and drug inspection district, per annum.....	3,500.00	1	1		
Chief of food and drug inspection district, per annum.....	3,250.00	1	1		
Microscopist in charge of laboratory, per annum.....	3,000.00	1	1		
Mycologist in charge of laboratory..per annum..	3,000.00	1	1		
Pharmaceutical research chemist.....do....	3,000.00	1	1		
Pharmacologist.....do....	1,800.00	1	..		
Pharmacologists.....do....	1,620.00	..	2 (1 for 4 mos.)		
Pharmacologist.....do....	1,440.00	1	1 (4 mos.)		
Pharmacologist.....do....	1,200.00	..	1		
Mycologist.....do....	2,040.00	1	..		
Mycologist.....do....	1,800.00	1	1		
Mycologist.....do....	1,620.00	1	1		
Micro-analyst.....do....	2,520.00	1	..		
Micro-analyst.....do....	2,280.00	1	1 (6 mos.)		
Micro-analysts.....do....	2,040.00	2	1 (6 mos.)		
Micro-analyst.....do....	1,800.00	1	..		
Micro-analyst.....do....	1,620.00	1	1 (4 mos.)		
Micro-analysts.....do....	1,200.00	2	3 (1 for 1½ mos.)		
Medico-chemical analyst.....do....	2,520.00	1	1 (6 mos.)		
Medico-chemical analyst.....do....	2,280.00	1	..		
Medico-chemical analyst.....do....	2,040.00	1	1 (6 mos.)		
Medico-chemical analyst.....do....	1,800.00	1	..		
Bacteriologist.....do....	2,500.00	1	1		
Bacteriologist.....do....	2,280.00	1	1 (6 mos.)		
Bacteriologists.....do....	2,040.00	2	1		
Bacteriologists.....do....	2,000.00	..	2 (1 for 6 mos.)		
Bacteriologist.....do....	1,800.00	1	..		
Bacteriologist.....do....	1,620.00	1	1		
Bacteriologists.....do....	1,440.00	2	2 (1 for 7 mos.)		
Bacteriologists.....do....	1,200.00	2	2		
Bacteriologist.....do....	1,080.00	..	1		
Bacteriologists.....do....	1,020.00	..	2 (1 temp.; 1 for 5 mos.)		
Assistant chemists.....do....	3,000.00	2	1		
Assistant chemists.....do....	2,760.00	2	1		
Assistant chemists.....do....	2,520.00	11	9 (1 for 6 mos.)		
Assistant chemists.....do....	2,500.00	..	2 (1 for 9 mos.)		
Assistant chemists.....do....	2,280.00	12	10 (2 for 6 mos.; 1 for 1 mo.)		
Assistant chemists.....do....	2,040.00	22	19 (1 for 4½ mos.)		
Assistant chemist.....do....	2,000.00	..	1		
Assistant chemist.....do....	1,920.00	..	1		
Assistant chemists.....do....	1,800.00	35	40 (6 temp.)		
Assistant chemists.....do....	1,740.00	2	2		
Assistant chemists.....do....	1,620.00	28	36 (6 temp.)		
Assistant chemists.....do....	1,600.00	2	..		
Assistant chemists.....do....	1,440.00	16	20 (6 temp.)		
Assistant chemists.....do....	1,400.00	2	1 (temp.)		
Assistant chemists.....do....	1,200.00	6	13 (1 for 5 mos.; 1 for 2½ mos.)		
Laboratory assistant.....do....	1,200.00	1	1		
Scientific assistant.....do....	2,000.00	..	1 (6 mos.)		
Consulting pharmacologist, pharmacologist, pharmacognocist, bacteriologist, coffee expert, agent and chemist, \$10.50 to \$5 per diem.....	..	1 (temp.)	7 (temp.)		
State collaborators, \$9 to \$1.....per diem..	..	65 (temp.)	65 (temp.)		
Agents, chemists' aids, laboratory helpers, laboratory technician, student assistant, collaborators, computer, clerks, charwoman and messenger boys, \$1,200 to \$300..per annum..	..	24	52 (12 temp.)		
Chief, office of information, assistant food and drug inspector, electrical engineer and draftsman, and clerks, \$3,000 to \$720*.per annum..	..	..	12 (1 for 3 mos.)		
Food and drug inspector**.....do....	2,250.00	..	1		
Clerks**.....do....	1,400.00	..	3		
Clerks**.....do....	1,200.00	..	10		
Clerk**.....do....	1,020.00	..	1		
Sampler**.....do....	1,200.00	..	1		
Electrical engineer and draftsman**.....do....	1,200.00	..	1		

*Transferred to statutory roll in Agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918 (1 clerk, class 2, and 1 electrical engineer and draftsman, transferred to statutory roll of Office of the Secretary).

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																
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*Transferred to statutory roll in Agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918.

- (67) *To enable the Secretary of Agriculture to carry out the purposes of the next paragraph (submitted).....* \$75,000.00

Hereafter, for the purpose of aiding in the enforcement of the food and drugs act of June thirtieth, nineteen hundred and six (Thirty-fourth Statutes at Large, page seven hundred and sixty-eight), as amended, hereinafter called the Act, the Secretary of Agriculture shall have authority, from time to time, to establish standards of strength, quality or purity for articles of food, and for articles of drugs sold under or by a name not recognized in the United States Pharmacopœia or National Formulary official at the time of promulgation of the standards, and to alter or revoke the same; but no such standard, or the alteration or revocation thereof, shall be effective until a date, to be specified in the order of promulgation, which shall be not less than one year from the date of the order. Whenever a standard of strength, quality or purity for any such article shall be in effect hereunder, each such article, if it fail to conform to such standard, shall, on that account, be deemed misbranded, within the meaning of the Act, unless it be labeled so as plainly and conspicuously to show that, and how, it differs from the standard, and shall be subject to all the provisions of the Act to the same extent and in the same way as an article misbranded in any other respect within the meaning of the Act.

NOTE.—This is a new item. It covers all foods but only such drugs as are not included in the United States Pharmacopœia or the National Formulary official at the time of the promulgation of the standards. This authority will enable the department to enforce more effectively the food and drugs act. Standards will not only aid in the enforcement of the law but will be of benefit to the honest manufacturer or producer and to the consumer. Standards will reduce the cost of prosecuting violators of the law because it is now necessary to establish in each case where standards are involved by expert or trade witnesses what is a fair standard for each product. If legal standards are adopted, it will be necessary to prove only to what extent the food product under consideration is below the legal standard. Standards will aid the manufacturer by informing him exactly what degree of quality or purity his product should reach and make competition on a fairer basis. They will also aid the manufacturer by promoting uniformity among the States, as most of the States probably will accept the Federal standards, thus enabling the manufacturer to produce a uniform product that will be legal anywhere in the United States. Standards will aid the consumers because it will enable them to know what quality they may expect in standard goods, and they will be notified by state-

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																				
<i>General Expenses, Bureau of Chemistry—Continued.</i>																																																																																						
ments on the label if the product varies from the standard. Standards will make the adulteration and misbranding features of the food and drugs act clearer and thus make the law more easily obeyed by the producers and more easily enforced by the department. Experience shows that it is always expensive, frequently difficult, and at times impossible to maintain prosecution against articles clearly adulterated and misbranded. Much of the expense and difficulty now being experienced in the enforcement of the food and drugs act will be avoided by the establishment of enforceable legal standards.																																																																																						
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(68) Hereafter, for the purpose of aiding in the enforcement of the food and drugs act of June thirtieth, nineteen hundred and six (Thirty-fourth Statutes at Large, page seven hundred and sixty-eight), as amended, the Secretary of Agriculture shall have authority, within all reasonable hours, to inspect, or to cause to be inspected, the establishments in which any article of food or drugs, as defined in section six of said act, is prepared, in whole or in part, for sale or transportation in interstate or foreign commerce, in order to ascertain whether any such articles are adulterated or misbranded within the meaning of said Act, as amended; and every person who assaults, resists, impedes or interferes with any officer or employee of the United States Department of Agriculture, authorized to make such inspection, in the execution of his duties or on account of the execution of his duties, shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined not more than one thousand dollars or be imprisoned for not more than one year, or both.																																																																																						
NOTE.—This is a new item. The food and drugs act confers no specific authority to inspect establishments in which foods and drugs are prepared for interstate commerce. The right of the department to make such inspections has been questioned. The enforcement of the law depends upon efficient inspections. There is much unnecessary difficulty by the lack of specific authority in the law. Factory inspections heretofore made at the invitation or with the acquiescence of the proprietor have enabled the department often to make valuable suggestions as to improvements in methods and cost of production.																																																																																						
(69) For investigating the grading, weighing, handling and transportation of naval stores, the preparation of definite type samples thereof, and for the demonstration of improved methods or processes of preparing naval stores, in cooperation with individuals and companies, including the employment of necessary persons and means in the city of Washington and elsewhere (<i>R. S.</i> , p. 87, sec. 520; acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1, and Aug. 11, 1916, vol. 39, pp. 463, 464, sec. 1).....		\$10,000.00																																																																																				

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Chemistry—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Chemist in charge.....per annum..	\$3,000.00	1 (3 mos.)	..		
Assistant chemist.....do.....	2,040.00	1	..		
Assistant chemist.....do.....	1,800.00	1	1		
Assistant chemist.....do.....	1,200.00	1	1		
Salaries.....		\$5,790.00	\$3,000.00		
Other objects of expenditures:					
Traveling expenses.....		2,060.00	1,012.68		
Equipment and material.....		1,800.00	757.05		
Miscellaneous items.....		350.00	174.12		
Total.....		10,000.00	4,943.85		
In all, for general expenses.....				\$927,201.00	\$838,211.00
Appropriations for 1908..... ¹ \$150,000	Estimates for 1909.....	² \$150,000			
Appropriations for 1909..... ¹ 160,000	Estimates for 1910.....	² 208,890			
Deficiency act.....100,000					
Appropriations for 1910..... ¹ 117,540	Estimates for 1911.....	² 114,000			
Appropriations for 1911..... ¹ 114,000	Estimates for 1912.....	111,480			
Appropriations for 1912.....111,480	Estimates for 1913.....	101,280			
Appropriations for 1913.....89,280	Estimates for 1914.....	114,280			
Appropriations for 1914.....109,280	Estimates for 1915.....	180,680			
Appropriations for 1915.....150,680	Estimates for 1916.....	164,080			
Appropriations for 1916.....139,680	Estimates for 1917..... ³ 832,211				
Appropriations for 1917..... ³ 838,211	Estimates for 1918.....	³ 927,201			
¹ Exclusive of amount provided for enforcement of the food and drugs act.					
² Exclusive of amount asked for enforcement of the food and drugs act.					
³ Includes amount for enforcement of the food and drugs act.					
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>					
GENERAL EXPENSES, BUREAU OF CHEMISTRY.					
3 clerks, at \$1,400 per annum each.					
10 clerks, at \$1,200 per annum each.					
1 clerk, \$1,020 per annum.					
1 clerk, \$1,000 per annum.					
21 clerks, at \$900 per annum each.					
Total for Bureau of Chemistry.....				1,289,331.00	1,153,801.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p style="text-align: center;">BUREAU OF SOILS.</p> <p><i>Salaries, Bureau of Soils—</i></p>		
(1) One soil physicist, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; acts June 3, 1902, vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, p. 464, sec. 1</i>) -----	\$4, 000. 00	
(2) One chief clerk (increase of \$220) (<i>same acts</i>) -----	2, 220. 00	
<p>NOTE.—This employee has been in the service of the department for nearly 20 years. He has held the position of chief clerk of the bureau for 15 years, without promotion during that time. As the organization of the bureau does not provide for an assistant chief, the chief clerk, in addition to his responsibilities as such, performs some of the duties which usually devolve upon an assistant chief of bureau and acts as chief of bureau when occasion requires.</p>		
(3) One executive assistant (<i>same acts</i>) -----	2, 000. 00	
(4) One clerk (in lieu of one clerk, class 4, with increase of \$180) (<i>same acts</i>) -----	1, 980. 00	
<p>NOTE.—This employee has been in charge of the editorial section of the bureau for over 15 years, and has had no increase in salary for nearly 13 years. His work is very exacting, requires a technical knowledge of soils, and involves the supervision of the work of 5 assistants.</p>		
(5) Three clerks, class 4 (decrease of 1 by change to 1 clerk at \$1,980) (<i>same acts</i>) -----	5, 400. 00	
NOTE.—See note under item 4.		
(6) Two clerks, class 3 (<i>same acts</i>) -----	3, 200. 00	
(7) Five clerks, class 2 (<i>same acts</i>) -----	7, 000. 00	
(8) One clerk (<i>same acts</i>) -----	1, 260. 00	
(9) Eight clerks, class 1 (<i>same acts</i>) -----	9, 600. 00	
(10) Five clerks, at \$1,000 each (<i>same acts</i>) -----	5, 000. 00	
(11) Five clerks, at \$900 each (<i>same acts</i>) -----	4, 500. 00	
(12) One soil cartographer (<i>same acts</i>) -----	1, 800. 00	
(13) One chief draftsman (<i>same acts</i>) -----	1, 600. 00	
(14) One soil bibliographer or draftsman (<i>same acts</i>) -----	1, 400. 00	
(15) One photographer (<i>same acts</i>) -----	1, 200. 00	
(16) Five draftsmen, at \$1,200 each (<i>same acts</i>) -----	6, 000. 00	
(17) One clerk-draftsman (<i>same acts</i>) -----	1, 200. 00	
(18) Two draftsmen, at \$1,000 each (<i>same acts</i>) -----	2, 000. 00	
(19) One laboratory helper (<i>same acts</i>) -----	1, 000. 00	
(20) Three laboratory helpers, at \$840 each (increase of 1 by transfer from lump fund for investigation of fertilizer resources) (<i>same acts</i>) -----	2, 520. 00	
(21) One machinist (by transfer from lump fund for investigation of fertilizer resources) (<i>same acts</i>) -----	1, 380. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Soils—Continued.</i>		
(22) One instrument maker (<i>R. S., p. 87, secs. 520–523; acts June 3, 1902, vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, p. 464, sec. 1</i>)--	\$1, 200. 00	
(23) One machinist's helper (<i>same acts</i>) -----	900. 00	
(24) One messenger (<i>same acts</i>) -----	840. 00	
(25) Three messengers, messenger boys, or laborers, at \$480 each (<i>same acts</i>) -----	1, 440. 00	
(26) Two laborers, at \$600 each (<i>same acts</i>) -----	1, 200. 00	
(27) One laborer (<i>same acts</i>) -----	300. 00	
(28) One charwoman or laborer (<i>same acts</i>) -----	480. 00	
	<hr/>	
Appropriations for 1908..... \$36, 980	Estimates for 1909..... \$40, 600	
Appropriations for 1909..... 34, 700	Estimates for 1910..... 34, 500	
Appropriations for 1910..... 35, 500	Estimates for 1911..... 37, 420	
Appropriations for 1911..... 37, 420	Estimates for 1912..... 52, 020	
Appropriations for 1912..... 48, 320	Estimates for 1913..... 57, 330	
Appropriations for 1913..... 50, 540	Estimates for 1914..... 57, 420	
Appropriations for 1914..... 53, 620	Estimates for 1915..... 59, 420	
Appropriations for 1915..... 60, 820	Estimates for 1916..... 62, 420	
Appropriations for 1916..... 62, 420	Estimates for 1917..... 70, 000	
Appropriations for 1917..... 70, 000	Estimates for 1918..... 72, 620	
	<hr/>	
	\$72, 620. 00	\$70, 000. 00
 NOTE.—Apparent increase, \$2,620; actual increase, \$400, as follows:		
<i>Promotions.</i>		
1 chief clerk, from \$2,000 to \$2,220.....	\$220	
1 clerk, class 4, to 1 clerk, \$1,980.....	180	
	<hr/>	
Actual increase.....	\$400	
<i>Transfers from lump fund of this bureau, which fund has been correspondingly reduced</i>		
1 laboratory helper, from investigation of fertilizer resources....	840	
1 machinist, from investigation of fertilizer resources.....	1, 380	
	<hr/>	
	2, 220	
Apparent increase.....	2, 620	
 <i>General Expenses, Bureau of Soils—</i>		
(29) For all necessary expenses connected with the investigations and experiments hereinafter authorized, including the employment of investigators, local and special agents, assistants, experts, clerks, draftsmen, and labor in the city of Washington and elsewhere; official traveling expenses, materials, tools, instruments, apparatus, repairs to apparatus, chemicals, furniture, office fixtures, stationery, gas, electric current, telegraph and telephone service, express and freight charges, rent outside of the District of Columbia, and for all other necessary supplies and expenses, as follows (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, pp. 464, 465, sec. 1</i>):		
(30) For chemical investigations of soil types, soil composition and soil minerals, the soil solution, solubility of soil and all chemical properties of soils in their relation to soil formation, soil texture, and soil productivity, including all routine chemical work in connection with the soil survey ["\$20,610"] (<i>same acts</i>) -----	25, 610. 00	
 NOTE.—There is an increase in the item of \$5,000, which it is proposed to use as follows:		
(a) \$2,000 to enlarge the facilities for making promptly the laboratory examinations required by the soil-survey force relative to the chemical composition		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
General Expenses, Bureau of Soils—Continued.					
of the various soil types. These examinations furnish invaluable information to the field force and enable them properly to classify the complex soils encountered in the different areas.					
(b) \$1,000 to meet the increasing demands from other bureaus of the department for routine analytical work.					
(c) \$2,000 to extend the investigations in the liming of soils. Lime at present is applied without proper recognition of the fundamental principles involved. This investigation has in view the establishment of such principles, and also contemplates the furnishing of more immediate aid to the farmer by making chemical examinations and giving advice regarding the forms of lime to be used and by examining soils to determine their lime requirements.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Scientist.....per annum..	\$3,750.00	1	1 (4 mos.).		
Scientist.....do.....	3,000.00	1	1		
Scientist.....do.....	2,400.00	1	1		
Scientist.....do.....	2,000.00	1	1		
Scientists.....do.....	1,800.00	2	4 (1 for 4 mos.)		
Scientist.....do.....	1,620.00	1	1 (temp.)		
Scientists.....do.....	1,600.00	3	2		
Scientist.....do.....	1,500.00	1	1		
Scientist.....do.....	1,440.00	1	1 (7 mos.)		
Scientist.....do.....	1,400.00	3	1		
Clerk and laboratory helper, \$900 and \$840* do.....			2 (1 for 4 mos.)		
Wages:					
Temporary laborer.....per diem..	1.50	1	1		
Salaries.....		\$21,560.00	\$19,825.38		
Wages.....			45.00		
Other objects of expenditure:					
Travelling expenses.....		375.00	85.59		
Equipment and material.....		3,500.00	2,244.93		
Miscellaneous items.....		175.00	14.09		
Total.....		25,610.00	22,214.99		
* Transferred to statutory roll in Agricultural act for 1917.					
(31) For physical investigations of the important properties of soil which determine productivity, such as moisture relations, aera-					
tions, heat conductivity, texture, and other physical investiga-					
tions of the various soil classes and soil types (<i>acts June 3, 1902,</i>					
<i>vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, pp. 464, 465,</i>					
<i>sec. 1</i>)					
				\$12,225.00	
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Scientist.....per annum..	\$3,000.00	1	1		
Scientist.....do.....	2,040.00	1	1		
Scientist.....do.....	1,860.00	1	1		
Scientist.....do.....	1,800.00	1	1 (4 mos.)		
Scientist.....do.....	1,500.00	1	1		
Scientist.....do.....	1,400.00	1	1		
Scientist.....do.....	1,320.00	1	1		
Instrument maker and laboratory helpers, \$1,200 to \$720 *.....per annum..			3		
Clerk, laboratory helper and collaborator, \$900 to \$300.....per annum..			3 (1 for 10½ mos.; 1 for 4 mos.)		
Wages:					
Miscellaneous temporary labor, \$12.50 and \$4.00.....per diem..			2		
Salaries.....		\$9,260.00	\$11,943.84		
Wages.....			157.50		
Other objects of expenditure:					
Traveling expenses.....		400.00			
Equipment and material.....		2,515.00	2,980.15		
Miscellaneous items.....		50.00	34.72		
Total.....		12,225.00	15,116.21		
* Transferred to statutory roll in Agricultural act for 1917.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																								
General Expenses, Bureau of Soils—Continued.																																																																																										
(32) For exploration and investigation within the United States to determine possible sources of supply of potash, nitrates, and other natural fertilizers 【\$35,600】 (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, pp. 464, 465, sec. 1</i>) . . .	\$33,380.00																																																																																									
NOTE.—There is an apparent decrease in this item of \$2,220, due to the transfer of 1 laboratory helper at \$840 and 1 machinist at \$1,380 to the statutory roll.																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant in charge per annum . .</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientists do</td><td>2,640.00</td><td>2</td><td>3</td></tr><tr><td>Scientist do</td><td>2,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientists do</td><td>1,800.00</td><td>5</td><td>3 (1 for 4 mos.)</td></tr><tr><td>Scientists do</td><td>1,620.00</td><td>..</td><td>2 (1 temp.)</td></tr><tr><td>Scientist do</td><td>1,560.00</td><td>1</td><td>..</td></tr><tr><td>Scientists do</td><td>1,440.00</td><td>3</td><td>1 (5 mos.)</td></tr><tr><td>Scientist do</td><td>1,400.00</td><td>..</td><td>1</td></tr><tr><td>Machinist's helper * do</td><td>900.00</td><td>..</td><td>1</td></tr><tr><td>Laboratory helper ** do</td><td>840.00</td><td>..</td><td>1 (1½ mos.)</td></tr><tr><td>Clerk and collaborator, \$900 and \$300 do</td><td>..</td><td>1</td><td>2 (1 for 4 mos.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor, \$12.50 and \$2 per diem</td><td>..</td><td>..</td><td>5</td></tr><tr><td>Salaries</td><td>..</td><td>\$25,460.00</td><td>\$21,448.34</td></tr><tr><td>Wages</td><td>..</td><td>..</td><td>375.50</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses</td><td>..</td><td>1,500.00</td><td>1,479.00</td></tr><tr><td>Equipment and material</td><td>..</td><td>5,500.00</td><td>11,603.38</td></tr><tr><td>Miscellaneous items</td><td>..</td><td>920.00</td><td>891.69</td></tr><tr><td>Total</td><td>..</td><td>33,380.00</td><td>35,797.91</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant in charge per annum . .	\$3,000.00	1	1	Scientists do	2,640.00	2	3	Scientist do	2,000.00	1	1	Scientists do	1,800.00	5	3 (1 for 4 mos.)	Scientists do	1,620.00	..	2 (1 temp.)	Scientist do	1,560.00	1	..	Scientists do	1,440.00	3	1 (5 mos.)	Scientist do	1,400.00	..	1	Machinist's helper * do	900.00	..	1	Laboratory helper ** do	840.00	..	1 (1½ mos.)	Clerk and collaborator, \$900 and \$300 do	1	2 (1 for 4 mos.)	Wages:				Miscellaneous temporary labor, \$12.50 and \$2 per diem	5	Salaries	\$25,460.00	\$21,448.34	Wages	375.50	Other objects of expenditure:				Traveling expenses	1,500.00	1,479.00	Equipment and material	5,500.00	11,603.38	Miscellaneous items	920.00	891.69	Total	33,380.00	35,797.91		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																							
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* Transferred to statutory roll in agricultural act for 1917. ** Transferred to statutory roll in estimates for 1918.																																																																																										
(33) 【 For the investigation and demonstration within the United States to determine the best methods of obtaining potash on a commercial scale, including the establishment and equipment of such plant or plants as may be necessary therefor, \$175,000: <i>Provided</i> , That the product obtained from such experimentation may be sold at the market price of such product, and the amount obtained from the sale thereof shall be covered into the Treasury as miscellaneous receipts. 】																																																																																										
NOTE.—At the time of the submission of these estimates, October 15, 1916, it has not been fully determined whether the appropriation of \$175,000, included in the Agricultural appropriation act for the fiscal year 1917, can be expended to good advantage. If, after the investigation which is now under way has been completed, it appears that effective results can be secured through the expenditure of the appropriation, a supplemental estimate of an amount sufficient properly to conduct the work during the fiscal year 1918 will be submitted in the usual way.																																																																																										
(34) For the investigation of soils, in cooperation with other branches of the Department of Agriculture, other departments of the Government, State agricultural experiment stations, and other State institutions, and for indicating upon maps and plats, by coloring or otherwise, the results of such investigations 【\$168,200】 (<i>same acts</i>)	198,200.00																																																																																									
NOTE.—There is an increase in this item of \$30,000. The present appropriation for soil survey work is not sufficient to enable the department to meet all the requests of State organizations with which it is now cooperating, or the great number of requests received from State officials in noncooperating States. The cooperating States contribute in salaries and field expenses an amount approximately equal to that expended by the department, which means that nearly double the results are obtained for each dollar of Federal funds expended.																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Soils—Continued.</i>					
The increase recommended will enable the department to meet, in part, the demands for proposed cooperation in Kansas, Kentucky, Minnesota, New York, North Dakota, Oklahoma, and South Dakota, and will permit an extension of the work in a limited way in the noncooperating States.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Scientist.....per annum..	\$3,750.00	1	1 (10 mos.)		
Scientist.....do....	3,250.00	1	1		
Scientist.....do....	2,500.00	6	4 (1 for 9 mos.)		
Scientists.....do....	2,280.00	..	2		
Scientists.....do....	2,100.00	2	..		
Scientist.....do....	2,000.00	1	1		
Scientists.....do....	1,980.00	2	..		
Scientists.....do....	1,920.00	3	2		
Scientists.....do....	1,800.00	4	4		
Scientists.....do....	1,740.00	5	5 (1 for 11 mos.)		
Scientists.....do....	1,620.00	6	6 (2 temp.)		
Scientist.....do....	1,600.00	1	1		
Scientists.....do....	1,560.00	5	2		
Scientists.....do....	1,440.00	10	8 (1 for 11 mos.)		
Scientists.....do....	1,320.00	10	4 (1 for 7 mos.)		
Scientists.....do....	1,200.00	8	16 (1 for 9 mos.; 5 temp.)		
Scientists.....do....	1,080.00	4	6 (3 temp.)		
Field assistants, \$100 to \$25.....per month..	..	..	5 (temp.)		
Collaborators.....per annum..	1.00	40	56		
Salaries.....		\$114,500.00	\$92,821.49		
Other objects of expenditure:					
Traveling expenses.....		\$1,100.00	68,541.79		
Equipment and material.....		1,900.00	5,659.50		
Miscellaneous items.....		700.00	1,313.13		
Total.....		198,200.00	168,335.91		
(35) For the examination and classification of agricultural lands in forest reserves, in cooperation with the Forest Service (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, pp. 464, 465, sec. 1</i>).....					
				\$18,100.00	
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Scientist.....per annum..	\$3,750.00	..	1 (2 mos.)		
Scientist.....do....	2,500.00	..	1 (3 mos.)		
Scientist.....do....	1,800.00	1	1 (1 mo.)		
Scientist.....do....	1,740.00	..	1 (1 mo.)		
Scientist.....do....	1,620.00	1	1		
Scientists.....do....	1,500.00	2	2		
Scientists.....do....	1,440.00	2	1 (1 mo.)		
Scientists.....do....	1,320.00	..	1 (5 mos.)		
Scientist.....do....	1,200.00	1	1 (3 mos.)		
Scientists.....do....	1,080.00	1	3 (2 temp.)		
Draftsmen, \$1,000 and \$900.....do....	..	..	3 (temp.)		
Draftsman and clerk, \$1,000 and \$900 *.....do....	..	..	2		
Salaries.....		\$11,580.00	\$10,392.83		
Other objects of expenditure:					
Traveling expenses.....		6,000.00	5,604.55		
Equipment and material.....		310.00	23.56		
Miscellaneous items.....		210.00	16.99		
Total.....		18,100.00	16,037.93		

* Transferred to statutory roll in Agricultural act for 1917.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Soils—Continued.</i>					
(36) For general administrative expenses connected with the above-mentioned lines of investigation (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1, and Aug. 11, 1916, vol. 39, pp. 464, 465, sec. 1</i>)-----				\$4,000.00	
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:			Number.		
For employment of clerks, stenographers, laborer, etc., for temporary periods.....		\$400.00	..		
Wages:					
Temporary labor.....per diem..	\$3.50		2		
Salaries.....		400.00			
Wages.....				\$301.00	
Other objects of expenditure:					
Stationery.....		1,500.00	1,291.36		
Equipment and material.....		1,500.00	1,043.09		
Telegraph and telephone service.....		175.00	158.50		
Miscellaneous items.....		425.00	323.66		
Total.....		4,000.00	3,117.61		
In all, for general expenses				\$291,515.00	\$433,735.00
Appropriations for 1908.....	\$170,000	Estimates for 1909.....	\$200,000		
Appropriations for 1909.....	200,000	Estimates for 1910.....	252,600		
Appropriations for 1910.....	197,360	Estimates for 1911.....	193,600		
Appropriations for 1911.....	193,600	Estimates for 1912.....	228,700		
Appropriations for 1912.....	213,740	Estimates for 1913.....	284,370		
Appropriations for 1913.....	250,880	Estimates for 1914.....	315,400		
Appropriations for 1914.....	280,400	Estimates for 1915.....	299,020		
Appropriations for 1915.....	299,815	Estimates for 1916.....	298,215		
Appropriations for 1916.....	265,515	Estimates for 1917.....	288,735		
Appropriations for 1917.....	433,735	Estimates for 1918.....	291,515		
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>					
GENERAL EXPENSES, BUREAU OF SOILS.					
Two clerks, at \$900 per annum each.					
Total for Bureau of Soils				364,135.00	503,735.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
BUREAU OF ENTOMOLOGY.		
<i>Salaries, Bureau of Entomology—</i>		
(1) One entomologist, who shall be chief of bureau (increase of \$500) (<i>R. S., p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Apr. 23, 1904, vol. 33, p. 276, sec. 1, and Aug. 11, 1916, vol. 39, p. 465, sec. 1</i>)	\$5,000.00	
NOTE.—The Chief of the Bureau of Entomology has been in the service of the department about 38 years and was promoted to his present salary on July 1, 1911. The work of the bureau is constantly growing in importance and the increase here recommended is fully warranted. It will place the compensation of this officer on an equality with that received by the chiefs of other scientific bureaus in the department having like responsibilities.		
(2) One chief clerk and executive assistant (<i>same acts</i>)	2,250.00	
(3) One administrative assistant (<i>same acts</i>)	2,250.00	
(4) One financial clerk (increase of \$200) (<i>same acts</i>)	2,000.00	
NOTE.—This employee has charge of the auditing and accounting work of the bureau. He has rendered excellent service, and it is believed that the duties and responsibilities attaching to the position he holds warrant the promotion recommended. He has been in the department 12 years, and has not received a promotion since August 10, 1912.		
(5) Four clerks, class 4 (increase of 1) (<i>same acts</i>)	7,200.00	
NOTE.—This is a new place and will provide for the promotion of five clerks in the lower grades, most of whom have not received any promotions in four or five years. As recommendation also has been made for the omission of one clerk at \$900, this change will involve no increase in the number of clerks employed. During the past five years the only additional clerical places provided on the statutory roll of this bureau have been one clerk at \$1,800 and one at \$1,600, although the total appropriation for the bureau has increased from \$601,920 to \$868,880 in that time. It has therefore been impossible to adequately provide for the promotion of a number of very efficient and deserving employees.		
(6) Four clerks, class 3 (increase of 1 by transfer from lump fund for miscellaneous insects) (<i>same acts</i>)	6,400.00	
(7) Ten clerks, class 2 (increase of 1 by transfer from lump fund for cereal and forage insects) (<i>same acts</i>)	14,000.00	
(8) Nine clerks, class 1 (<i>same acts</i>)	10,800.00	
(9) Ten clerks, at \$1,000 each (<i>same acts</i>)	10,000.00	
(10) Three clerks, at \$900 each (decrease of 1) (<i>same acts</i>)	2,700.00	
NOTE.—It is proposed to drop this place if the new place at \$1,800 is allowed. See note under item 5.		
(11) Five clerks, at \$840 each (<i>same acts</i>)	4,200.00	
(12) Two entomological draftsmen, at \$1,400 each (<i>same acts</i>)	2,800.00	
(13) One entomological draftsman (increase of \$120) (<i>same acts</i>)	1,200.00	
NOTE.—The employee holding this position is a skillful entomological draftsman. Her work is of a high type and fully warrants the increase recommended. She has served in the department five years and was last promoted on December 1, 1912.		
(14) Four foremen, at \$1,080 each (<i>same acts</i>)	4,320.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Bureau of Entomology—Continued.</i>		
(15) One entomological preparator (<i>R.S., p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Apr. 23, 1904, vol. 33, p. 276, sec. 1, and Aug. 11, 1916, vol. 39, p. 465, sec. 1</i>)	\$1,000.00	
(16) Four entomological preparators, at \$840 each (<i>same acts</i>)	3,360.00	
(17) Eight entomological preparators, at \$720 each (<i>same acts</i>)	5,760.00	
(18) Seven entomological preparators, at \$600 each (<i>same acts</i>)	4,200.00	
(19) Two messengers or laborers, at \$900 each (<i>same acts</i>)	1,800.00	
(20) Two messengers or laborers, at \$840 each (<i>same acts</i>)	1,680.00	
(21) Three messengers or laborers, at \$720 each (<i>same acts</i>)	2,160.00	
(22) One messenger boy (<i>same acts</i>)	480.00	
(23) Five messenger boys, at \$360 each (<i>same acts</i>)	1,800.00	
(24) One mechanic (<i>same acts</i>)	1,080.00	
(25) One mechanic (<i>same acts</i>)	900.00	
(26) One mechanic (<i>same acts</i>)	840.00	
(27) One laborer (<i>same acts</i>)	600.00	
(28) One laborer (<i>same acts</i>)	540.00	
(29) One laborer (<i>same acts</i>)	480.00	
(30) One laborer (<i>same acts</i>)	420.00	
(31) Two charwomen, at \$480 each (decrease of 1 by change to 2 charwomen, at \$240 each) (<i>same acts</i>)	960.00	
NOTE.—See note under item 32.		
(32) Three charwomen, at \$240 each (increase of 2 in lieu of 1 charwoman, at \$480) (<i>same acts</i>)	720.00	
NOTE.—This change involves the substitution of two charwomen working on a half-day basis for one working the full day, without increase in the appropriation. This arrangement has been found to be more satisfactory.		
	\$103,900.00	\$99,180.00
Appropriations for 1908..... \$22,210	Estimates for 1909..... \$26,360	
Appropriations for 1909..... 26,160	Estimates for 1910..... 27,880	
Appropriations for 1910..... 29,280	Estimates for 1911..... 29,280	
Appropriations for 1911..... 29,280	Estimates for 1912..... 60,130	
Appropriations for 1912..... 60,130	Estimates for 1913..... 58,630	
Appropriations for 1913..... 58,750	Estimates for 1914..... 62,660	
Appropriations for 1914..... 60,960	Estimates for 1915..... 68,150	
Appropriations for 1915..... 69,050	Estimates for 1916..... 69,050	
Appropriations for 1916..... 69,530	Estimates for 1917..... 99,180	
Appropriations for 1917..... 99,180	Estimates for 1918..... 103,900	
NOTE.—Apparent increase, \$4,720; actual increase, \$1,720, as follows:		
<i>Promotions.</i>		
1 chief of bureau, from \$4,500 to \$5,000.....	\$500	
1 financial clerk, from \$1,800 to \$2,000.....	200	
1 entomological draftsman, from \$1,080 to \$1,200.....	120	
	\$820	
<i>New places.</i>		
1 clerk, class 4.....	1,800	
2 charwomen, at \$240 each.....	480	
	2,280	
	3,100	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
Salaries, Bureau of Entomology—Continued.		
<i>Places dropped.</i>		
1 clerk.....	\$900	
1 charwoman.....	480	
	<u>\$1,380</u>	
Actual increase.....	1,720	
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 clerk, class 3, from miscellaneous insects.....	1,600	
1 clerk, class 2, from cereal and forage insects.....	1,400	
	<u>3,000</u>	
Apparent increase.....	4,720	
General Expenses, Bureau of Entomology—		
(33) For the promotion of economic entomology; for investigating the history and the habits of insects injurious and beneficial to agriculture, horticulture, arboriculture, and the study of insects affecting the health of man and domestic animals, and ascertaining the best means of destroying those found to be injurious; for collating, digesting, reporting, and illustrating the results of such investigations; for salaries and the employment of labor in the city of Washington and elsewhere, rent outside of the District of Columbia, freight, express charges, official traveling expenses, office fixtures, supplies, apparatus, telegraph and telephone service, gas, and electric current, in connection with the following investigations (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1–3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1</i>):		
(34) For investigations of insects affecting deciduous fruits, orchards, vineyards, and nuts 【\$60,780】 (<i>same acts</i>).....	\$78,380.00	
NOTE.—There is an increase in this item of \$17,600, which it is proposed to utilize as follows:		
(a) \$2,600 to enlarge the work with chestnut weevils and miscellaneous nut insects. In the enforcement of the food and drugs act it has been found necessary to condemn numerous interstate shipments of wormy chestnuts. In order to remedy this situation, it is desirable that assistance be rendered to growers and jobbers in controlling these pests. The chestnut crop is a very important one in the Eastern States, but the present appropriation is inadequate for a thorough investigation of the problem.		
(b) \$5,000 to establish a field laboratory in the Ozark Mountain region of Arkansas, a very important orchard section, which suffers unusually heavy losses from insect attacks.		
(c) \$8,000 to establish a field station in one of the New England States to carry out large-scale control measures against the apple-tree tent caterpillar, which during the past two or three years has been a veritable plague in the area concerned. It is also planned to investigate other serious orchard insect pests in this region.		
(d) \$2,000 to enlarge the work on insecticides. An additional employee is needed to prepare for publication, in cooperation with the Bureau of Chemistry, monographic reports on various classes of insecticides.		
Employees.	Rate.	Estimated, 1918.
Salaries:		
Entomologist in charge..... per annum..	\$3,500.00	1
Entomological assistants..... do.....	2,250.00	2
Entomological assistants..... do.....	2,000.00	3
Entomological assistants..... do.....	1,800.00	5
Entomological assistants..... do.....	1,600.00	14 (1 for 4 mos.)
Entomological assistants..... do.....	1,400.00	4
Entomological assistants..... do.....	1,200.00	4
Field assistants, \$900 to \$360..... do.....		10 (temp.)
Entomological preparator *..... do.....	720.00	1
Typewriter and student assistant, \$900 and \$300, per annum.....		1
		2 (1 temp.)
* Transferred to statutory roll in agricultural act for 1917.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
General Expenses, Bureau of Entomology--Continued.					
Employees.		Rate.	Estimated, 1918.	Expended, 1916.	
Wages:					
Miscellaneous and temporary labor, \$4 to \$2 per diem.....			Number.	Number.	
				4	
Salaries.....			\$58,724.00	\$42,333.13	
Wages.....				261.40	
Other objects of expenditure:					
Traveling expenses.....			6,500.00	4,750.15	
Equipment and material.....			4,000.00	1,422.67	
Miscellaneous items.....			9,156.00	7,896.12	
Construction work ¹				226.72	
Total.....			78,380.00	56,890.19	
¹ This construction work consisted of the erection of a temporary insect rearing shelter on the grounds of the department. The shelter contained about 2,910 cubic feet and the cost was approximately \$0.0779 per cubic foot.					
(35) For investigations of insects affecting cereal and forage crops, including a special investigation of the Hessian fly and the chinch bug [\$114,660] (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1</i>).....					
\$123,260.00					
NOTE.—There is an apparent increase in this item of \$8,600, but, taking into consideration the transfer to the statutory roll of 1 clerk at \$1,400, the actual increase is \$10,000. This sum is needed for conducting special investigations of the Hessian fly with a view to securing sufficient data to enable the bureau to advise farmers how to avoid the fly by planting their wheat at the proper time.					
This knowledge already has been obtained and applied within restricted areas and has proven to be of immense value; therefore, it is proposed to secure the extension of these benefits for the farmers of the entire wheat belt. The Hessian fly has been known to injure the wheat crop to the extent of more than 10 per cent of the entire production, and, as the annual value of this crop is more than \$1,000,000,000, it is believed that the increase recommended is fully justified.					
Employees.		Rate.	Estimated, 1918.	Expended, 1916.	
Salaries:			Number.	Number.	
Entomologist in charge.....per annum.....		\$3,500.00	1	1 (temp.)	
Entomological assistants.....do.....		2,200.00	6	7	
Entomological assistants.....do.....		2,000.00	6	7	
Entomological assistants.....do.....		1,800.00	6	8 (1 temp.)	
Entomological assistants.....do.....		1,600.00	6 (1 for 4 mos.)	7	
Entomological assistants.....do.....		1,400.00	8	7	
Entomological assistants.....do.....		1,200.00	11	12 (1 temp.)	
Entomological assistant.....do.....		1,080.00	1	1	
Entomological assistants.....do.....		1,000.00	8	7	
Field assistants.....do.....		1,200.00	2 (temp.)	5 (temp.)	
Field assistants, \$900 to \$300.....do.....			8 (temp.)	17 (temp.)	
Entomological preparator.....do.....		1,000.00	1	1 (temp.)	
Clerks, \$1,000 and \$840 *.....do.....			5	5	
Clerk **.....do.....		1,400.00	1	1	
Clerks, \$1,000 and \$720.....do.....			1 (temp.)	2 (1 temp.; 1 for 4½ mos.)	
Student assistants and collaborators, \$300 and \$120.....per annum.....			3	5 (3 temp.)	
Wages:					
Laborer *.....do.....		480.00	1	1	
Laborers, \$720 to \$120.....do.....			5 (4 temp.)	6 (temp.)	
Temporary labor.....per diem.....		2.00	1	1 (temp.)	
Salaries.....			\$86,853.33	\$83,432.43	
Wages.....			3,179.67	1,305.00	
Other objects of expenditure:					
Traveling expenses.....			17,500.00	14,009.57	
Equipment and material.....			1,500.00	1,156.96	
Miscellaneous items.....			14,227.00	13,759.70	
Total.....			123,260.00	113,663.66	
* Transferred to statutory roll in Agricultural act for 1917.					
** Transferred to statutory roll in estimates for 1918.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Entomology—Continued.</i> (36) For investigations of insects affecting southern field crops, including insects affecting cotton, tobacco, rice, sugar cane, and so forth, and the cigarette beetle and Argentine ant ["\$64,400"] (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1</i>) -----	\$74, 400. 00	

NOTE.—There is an increase in this item of \$10,000. This amount is desired in order to increase the work on the cotton boll weevil. The problem has become especially urgent because of the invasion of the sea-island district of Georgia and Florida by this pest and the discovery of a form of boll weevil in Arizona which is a menace to the rapidly-developing cotton industry in that State. The situation with the weevil is critical and demands special experimental work. The States directly involved have urgently requested the department's assistance in preventing these pests from gaining headway.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Entomologist in charge.....per annum..	\$3, 500.00	1	1
Entomological assistants.....do....	2, 500.00	2	1
Entomological assistant.....do....	2, 200.00	..	1
Entomological assistants.....do....	2, 000.00	3	2 (1 for 4 mos.)
Entomological assistants.....do....	1, 800.00	3	4
Entomological assistants.....do....	1, 600.00	3	3
Entomological assistants.....do....	1, 500.00	6	..
Entomological assistants.....do....	1, 400.00	3	2
Entomological assistants.....do....	1, 200.00	7	6 (1 temp.)
Field assistants, \$1,500 to \$600.....do....	..	25 (temp.)	20 (temp.)
Expert, student assistant, and collaborators, \$840 to \$1.00.....per annum..	..	4	5
Clerks and entomological preparators, \$1,000 to \$720 *.....per annum..	..	..	5
Clerk.....do....	1, 000.00	..	1 (4 mos.)
Wages:			
Laborer *.....do....	420.00	..	1
Miscellaneous and temporary labor, \$4 and \$2 per diem.....	..	2	2
		..	2
Salaries.....		\$54,003.00	\$40,930.06
Wages.....		300.00	564.00
Other objects of expenditure:			
Traveling expenses.....		9,800.00	8,514.99
Equipment and material.....		2,600.00	1,488.61
Miscellaneous items.....		7,697.00	6,865.57
Total.....		74,400.00	58,363.23

* Transferred to statutory roll in agricultural act for 1917.

(37) For investigations of insects affecting forests (*same acts*) ----- 50,770.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Forest entomologist.....per annum..	\$3, 500.00	1	1
Entomological assistants.....do....	2, 200.00	2	1
Entomological assistants.....do....	2, 000.00	6	..
Entomological assistants.....do....	1, 800.00	1	7
Entomological assistants.....do....	1, 600.00	4	3
Entomological assistants.....do....	1, 500.00	..	1
Entomological assistants.....do....	1, 400.00	1	2
Entomological assistants.....do....	1, 200.00	4	1 (temp.)
Entomological assistants and rangers, \$1,080 to \$900.....per annum..	..	6	12 (1 temp.)
Field assistants, clerk, student assistants and collaborator, \$900 to \$12.....per annum..	..	7	11 (6 temp.)
Entomological preparators, and messenger boy, \$720 to \$360 *.....per annum..	..	..	5
Wages:			
Laborer *.....per annum..	900.00	..	1
Miscellaneous and temporary labor.....per diem..	420.00	1	1
	2.00	..	1
Salaries.....		\$42,802.00	\$46,570.67
Wages.....		210.00	30.00
Other objects of expenditure:			
Traveling expenses.....		4,200.00	4,719.72
Miscellaneous items.....		3,558.00	3,228.56
Total.....		50,770.00	54,548.95

* Transferred to statutory roll in Agricultural act for 1917.



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
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General Expenses, Bureau of Entomology—Continued.

- (38) For investigations of insects affecting truck crops, including insects affecting the potato, sugar beet, cabbage, onion, tomato, beans, peas, and so forth, and insects affecting stored products **[\$42,760]** (*acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1*) ----- \$47,760.00

NOTE.—The increase of \$5,000 in this item is needed for extending investigations, in cooperation with the Bureau of Plant Industry, in the control of the insect carriers of a number of serious plant diseases, including diseases of cucumbers and other cucurbits, potatoes, tomatoes, and sugar beets. In many cases the control of insects is the only method by which injurious plant diseases can be prevented.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Entomologist in charge.....per annum..	\$3,500.00	1	1
Entomological assistants.....do.....	2,000.00	3	3 (1 temp.)
Entomological assistants.....do.....	1,800.00	4	2
Entomological assistants.....do.....	1,600.00	3	3
Entomological assistants.....do.....	1,400.00	6	7
Entomological assistants.....do.....	1,200.00	2	1
Entomological assistants.....do.....	1,000.00	1	1
Field assistants, \$1,200 to \$480.....do.....		14 (temp.)	16 (temp.)
Entomological preparator, student assistants, and collaborators, \$720 to \$12.....per annum.....		9	13 (7 temp.)
Entomological preparators, and clerks, \$1,000 to \$840*.....per annum.....			4
Wages:			
Miscellaneous and temporary labor.....do.....			1
porary labor.....{ \$4 to \$2.....per diem.....			3
Salaries.....		\$38,750.00	\$33,678.39
Wages.....			135.00
Other objects of expenditure:			
Traveling expenses.....		2,310.00	1,846.80
Equipment and material.....		1,600.00	1,200.14
Miscellaneous items.....		5,100.00	3,871.00
Total.....		47,760.00	40,731.33

* Transferred to statutory roll in Agricultural act for 1917.

- (39) For investigations and demonstrations in bee culture (*same acts*)..... 20,000.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Apiculturist in charge.....per annum..	\$3,500.00	1	1
Apicultural assistant.....do.....	2,500.00	1	1
Apicultural assistants.....do.....	1,800.00	2	1
Apicultural assistants.....do.....	1,600.00	2	..
Expert.....do.....	2,500.00	1	1
Expert.....do.....	2,000.00	1	1
Student assistants.....do.....	1,800.00	1	3 (2 temp.)
Wages:			
Temporary laborers.....do.....	300.00	1	1
per diem.....	1.75	..	1
Salaries.....		\$15,250.00	\$12,081.09
Wages.....		150.00	234.00
Other objects of expenditure:			
Traveling expenses.....		2,000.00	880.13
Equipment and material.....		300.00	269.95
Miscellaneous items.....		2,300.00	1,458.52
Total.....		20,000.00	11,923.69

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Entomology—Continued.</i>		
(40) For investigations of insects affecting tropical and subtropical fruits and plants, [including insects affecting the orange, lemon, grapefruit, mango, and so forth, \$17,100] and insects affecting greenhouse plants (acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1)-----	\$25,000.00	

NOTE.—An increase of \$7,900 in this item is recommended for the purpose of enlarging the work relating to insects affecting tropical and subtropical fruits and plants grown in greenhouses, and in order that a thorough study may be made of the general subject of insects infesting greenhouse plants, special attention also should be given to certain scales of the lime and mango in Florida responsible for much loss and to the control of bean thrips, which seriously affect olive groves in California, causing considerable damage to the fruits.

New language is added to this paragraph so as to give specific authority for the investigation of tropical plants other than fruits and also the investigation of insects affecting greenhouse plants. There are many important problems in the field for the investigation of which no specific provision is made in any other item.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Entomologist, assistant chief of bureau, per annum.....	\$4,000.00	1	1 (6 mos.)
Entomological assistant.....per annum.....	2,250.00	1	1
Entomological assistant.....do.....	2,200.00	1	..
Entomological assistant.....do.....	2,000.00	1	1
Entomological assistant.....do.....	1,800.00	..	1
Entomological assistants.....do.....	1,600.00	2	1
Entomological assistants.....do.....	1,400.00	2	1
Entomological assistants.....do.....	1,200.00	..	2 (temp.)
Student assistant.....do.....	300.00	1	1
Entomological preparator*.....do.....	840.00	..	1
Wages:			
Laborers, \$840 to \$600*.....do.....	.....	.....	3
Miscellaneous and tempo-(\$300 per annum.....	.....	1	1
rary labor.....\$4 to \$1.50 per diem.....	.....	..	4
Salaries.....	.....	\$16,900.00	\$13,615.44
Wages.....	.....	150.00	271.50
Other objects of expenditure:			
Traveling expenses.....	.....	2,100.00	1,545.97
Equipment and material.....	.....	1,000.00	597.98
Miscellaneous items.....	.....	4,850.00	2,070.79
Construction work ¹.....	.....	.....	1,031.67
Total.....	.....	25,000.00	19,133.35

* Transferred to statutory roll in Agricultural act for 1917.

¹ This construction work consisted of the erection of a greenhouse on the grounds of the department, at a cost of approximately \$0.192 per cubic foot (4,124 cubic feet; total cost, \$791.67), and the erection of an addition to the greenhouse for use as a potting shed, at a cost of approximately \$0.174 per cubic foot (1,381 cubic feet; total cost, \$240).

- (41) For investigations and control, in cooperation with the Federal Horticultural Board, of the Mediterranean and other fruit flies (same acts)----- 33,200.00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		Number.	Number.
Entomologist, assistant chief of bureau, per annum.....	\$4,000.00	..	1 (6 mos.)
Entomological assistant.....per annum.....	2,500.00	1	1
Entomological assistant.....do.....	2,000.00	1	1
Entomological assistant.....do.....	1,800.00		1
Inspector.....do.....	1,800.00	1	1
Salaries.....	.....	\$6,300.00	\$6,450.00
Other objects of expenditure:			
Traveling expenses.....	.....	17,000.00	2,192.15
Equipment and material.....	.....	600.00	331.69
Miscellaneous items.....	.....	9,300.00	6,505.92
Total.....	.....	33,200.00	15,479.76

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
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General Expenses, Bureau of Entomology—Continued.

- (42) *For investigations and experiments relating to insect diseases and the means for their practical use in the control of injurious insects, in cooperation with the Bureau of Plant Industry (submitted) \$20, 000. 00*

NOTE.—This is a new item. There is a strong demand from many sources for the investigation of insect diseases. Fungus parasitism among insects is a recognized fact, and the employment of insect-attacking fungi may become one of the principal means of defense against crop pests. In such investigations it is possible to work with forms of fungi at present in this country, to introduce new forms, and to devise methods of spreading the fungus organisms in the field, but in order that this may be properly done it is necessary first to know the peculiarities of the fungi involved, the methods of growth, infection, etc., and, by the use of artificial culture, means devised for spreading these parasites in the field. Although such investigations have been intermittently pursued for the last 50 years, the subject has never received the attention which its importance warrants. The work will be conducted in close cooperation with the Bureau of Plant Industry, which has conducted some work in the field.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.*
Salaries:		<i>Number.</i>	<i>Number.</i>
Mycoentomologist in charge per annum . . .	\$2, 500. 00	1	..
Expert do	2, 500. 00	1	..
Entomological assistants do	1, 800. 00	4	..
Entomological assistant do	1, 600. 00	1	..
Entomological assistant do	1, 400. 00	1	..
Salaries		\$15, 200. 00	..
Other objects of expenditure:			
Stationery		240. 00	..
Traveling expenses		2, 880. 00	..
Equipment and material		960. 00	..
Telegraph and telephone service		240. 00	..
Miscellaneous items		480. 00	..
Total		20, 000. 00	..

*No appropriation for fiscal year 1916.

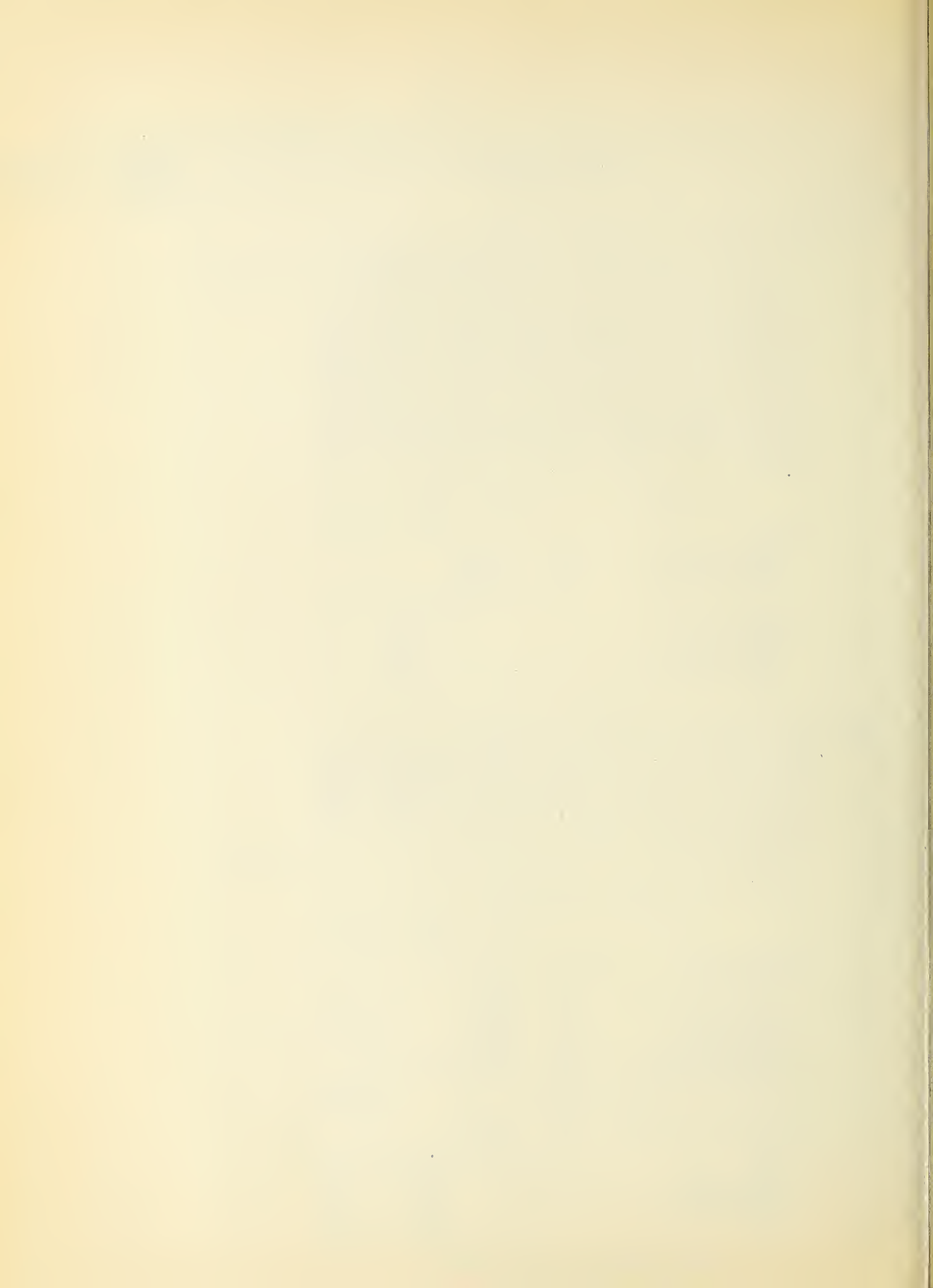
- (43) *For investigations, identification, and systematic classification of miscellaneous insects, including the study of insects affecting the health of man and domestic animals, household insects, and the importation and exchange of useful insects [\$57,980] (acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1) 56, 380. 00*

NOTE.—There is an apparent decrease of \$1,600 in this item, due to the transfer of one clerk at \$1,600 to the statutory roll.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Entomological assistants per annum . . .	\$2, 500. 00	2	..
Entomological assistants do	2, 250. 00	3	1
Entomological assistant do	2, 200. 00	..	1
Entomological assistants do	2, 000. 00	7	4 (1 for 8 mos.)
Entomological assistants do	1, 800. 00	2	6 (1 temp.)
Entomological assistants do	1, 600. 00	2	3 (1 temp.)
Entomological assistants do	1, 500. 00	4	..
Entomological assistants do	1, 400. 00	4	5
Entomological assistant do	1, 200. 00	..	1
Field assistants, \$1,500 to \$600 do		10 (temp.)	6 (temp.)
Entomological preparators, student assistants, and collaborators, \$1,000 to \$1 per annum		9	16 (7 temp., 1 for 3 mos.)
Clerks and messenger, \$1,200 to \$900* do . . . . .		..	3
Clerk** do	1, 600. 00	..	1
Wages:			
Temporary laborers, \$720 and \$420 do		1	2
Salaries		\$49, 186. 00	\$41, 598. 66
Wages		360. 00	233. 67
Other objects of expenditure:			
Stationery		300. 00	769. 87
Traveling expenses		2, 000. 00	4, 001. 09
Equipment and material		384. 00	701. 33
Miscellaneous items		4, 150. 00	6, 357. 67
Total		56, 380. 00	53, 662. 29

*Transferred to statutory roll in Agricultural act for 1917.

**Transferred to statutory roll in estimates for 1918.



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																		
<i>General Expenses, Bureau of Entomology—Continued.</i>																				
(44) For general administrative expenses connected with above lines of investigation, and for miscellaneous expenses incident thereto (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1–3; June 30, 1906, vol. 34, p. 688, sec. 1, and Aug. 11, 1916, vol. 39, pp. 465, 466, sec. 1</i>) -----	\$3, 000. 00																			
<table><tr><th>Other objects of expenditure.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr><tr><td>Stationery</td><td>\$1,000.00</td><td>.....</td></tr><tr><td>Traveling expenses</td><td>1,000.00</td><td>.....</td></tr><tr><td>Equipment and material</td><td>475.00</td><td>.....</td></tr><tr><td>Miscellaneous items</td><td>525.00</td><td>.....</td></tr><tr><td>Total</td><td>3,000.00</td><td>.....</td></tr></table>	Other objects of expenditure.	Estimated, 1918.	Expended, 1916.*	Stationery	\$1,000.00	Traveling expenses	1,000.00	Equipment and material	475.00	Miscellaneous items	525.00	Total	3,000.00		
Other objects of expenditure.	Estimated, 1918.	Expended, 1916.*																		
Stationery	\$1,000.00																		
Traveling expenses	1,000.00																		
Equipment and material	475.00																		
Miscellaneous items	525.00																		
Total	3,000.00																		
* No appropriation for fiscal year 1916.																				
In all, for general expenses -----	\$532, 150. 00	\$464,650. 00																		
Appropriations for 1908..... \$113,800	Estimates for 1909..... \$149,240																			
Appropriations for 1909..... 158,800	Estimates for 1910..... 199,800																			
Appropriations for 1910..... 198,400	Estimates for 1911..... 197,900																			
Appropriations for 1911..... 202,900	Estimates for 1912..... 238,110																			
Appropriations for 1912..... 256,950	Estimates for 1913..... 253,450																			
Appropriations for 1913..... 328,750	Estimates for 1914..... 371,000																			
Appropriations for 1914..... 381,250	Estimates for 1915..... 447,970																			
Appropriations for 1915..... 450,370	Estimates for 1916..... 460,370																			
Appropriations for 1916..... 450,370	Estimates for 1917..... 446,150																			
Appropriations for 1917..... 464,650	Estimates for 1918..... 532,150																			
<i>Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>																				
GENERAL EXPENSES, BUREAU OF ENTOMOLOGY.																				
1 clerk, \$1,600 per annum.																				
1 clerk, \$1,400 per annum.																				
1 clerk, \$1,200 per annum.																				
3 clerks, at \$1,000 per annum each.																				
2 clerks, at \$900 per annum each.																				
<i>Preventing Spread of Moths, Bureau of Entomology—</i>																				
(45) To enable the Secretary of Agriculture to meet the emergency caused by the continued spread of the gipsy and brown tail moths by conducting such experiments as may be necessary to determine the best methods of controlling these insects; by introducing and establishing the parasites and natural enemies of these insects and colonizing them within the infested territory; by establishing and maintaining a quarantine against further spread in such manner as he shall deem best, in cooperation with the authorities of the different States concerned and with the several State experiment stations, including rent outside of the District of Columbia, the employment of labor in the city of Washington and elsewhere, and for medical supplies and services and other assistance necessary for the immediate relief of foremen, scouts and laborers, and other employees injured while engaged in hazardous work under this item of appropriation, and all other necessary expenses (<i>acts Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1–3, and Aug. 11, 1916, vol. 39, p. 466, sec. 1</i>)-----	305, 050. 00	305, 050. 00																		



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Preventing Spread of Moths, Bureau of Entomology—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Entomologist in charge.....per annum..	\$3,500.00	1	1		
Assistant in charge of quarantine and inspection.....per annum..	3,000.00	1	1		
Agent.....do.....	2,750.00	1	1		
Entomological assistant.....do.....	3,000.00	1	1		
Entomological assistants.....do.....	2,750.00	1	1		
Entomological assistants.....do.....	2,000.00	1	1		
Entomological assistants.....do.....	1,800.00	4	3		
Entomological assistants.....do.....	1,600.00	2	5		
Entomological assistants.....do.....	1,400.00	4	4		
Entomological assistants.....do.....	1,200.00	9	5		
Entomological assistants.....do.....	1,080.00	1	5 (2 temp.)		
Entomological assistants.....do.....	1,000.00	2	..		
Gipsy moth assistant.....do.....	1,600.00	1	..		
Gipsy moth assistants.....do.....	1,400.00	1	2		
Gipsy moth assistants.....do.....	1,200.00	4	5 (1 temp.)		
Gipsy moth assistants, \$1,080 and \$900.....do.....	..	18	22 (4 temp.)		
Stenographers, \$900, and collaborators, \$900 and \$1.....per annum..	..	3	4 (2 temp.)		
Administrative assistant, entomological preparator, and mechanics, \$2,250 to \$720*.....per annum..	..	..	4		
Salaries.....		\$66,845.00	\$69,741.88		
Other objects of expenditure:					
Traveling expenses.....		41,605.00	36,796.66		
Equipment and material.....		15,000.00	14,308.14		
Telegraph and telephone service.....		1,300.00	1,203.57		
Miscellaneous items.....		180,300.00	179,284.33		
Total.....		305,050.00	301,334.58		
* Transferred to statutory roll in Agricultural act for 1917.					
Appropriations for 1908.....	\$150,000	Estimates for 1909.....	\$150,000		
Appropriations for 1909.....	250,000	Estimates for 1910.....	300,000		
Appropriations for 1910.....	300,000	Estimates for 1911.....	300,000		
Appropriations for 1911.....	300,000	Estimates for 1912.....	284,840		
Appropriations for 1912.....	284,840	Estimates for 1913.....	284,840		
Appropriations for 1913.....	284,840	Estimates for 1914.....	300,000		
Appropriations for 1914.....	300,000	Estimates for 1915.....	297,540		
Appropriations for 1915.....	310,000	Estimates for 1916.....	310,000		
Appropriations for 1916.....	310,000	Estimates for 1917.....	305,050		
Appropriations for 1917.....	305,050	Estimates for 1918.....	305,050		
Total for Bureau of Entomology.....				\$941, 100. 00	\$868,880. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
BUREAU OF BIOLOGICAL SURVEY.		
<i>Salaries, Bureau of Biological Survey—</i>		
(1) One biologist, who shall be chief of bureau (increase of \$1,000) (<i>R. S.</i> , p. 87, <i>secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 877, sec. 1, and Aug. 11, 1916, vol. 39, p. 466, sec. 1</i>) -----	\$4,500.00	
NOTE.—There has been no change in the salary of the chief of this bureau for five years. During that period the appropriations of the bureau have increased fourfold (from \$139,700 in 1912 to \$578,230 in 1917), with correspondingly enlarged administrative responsibilities devolving upon the chief. This officer now receives a salary lower than that paid any other bureau chief in the department.		
(2) One chief clerk and executive assistant (<i>same acts</i>) -----	1,800.00	
(3) One administrative assistant (<i>same acts</i>) -----	2,250.00	
(4) One financial clerk (<i>same acts</i>) -----	1,600.00	
(5) Two clerks, class 4 (in lieu of 2 clerks, class 3) (<i>same acts</i>) -----	3,600.00	
NOTE.—This change is proposed in order to promote two deserving employees. One of them is engaged upon editorial work requiring technical knowledge, and has served three years in the department without promotion. He was appointed in November, 1913, at his present salary and his duties and responsibilities have been greatly increased. The other clerk was first employed by this bureau, at his present salary of \$1,600, as an auditor, but he was later placed in charge of the accounting work of the bureau, thus adding greatly to his responsibilities. He has had no promotion since September, 1911.		
(6) One clerk, class 3 (decrease of 2 by change to 2 clerks, class 4) (<i>same acts</i>) -----	1,600.00	
NOTE.—See note under item 5.		
(7) Five clerks, class 2 (<i>same acts</i>) -----	7,000.00	
(8) One clerk (<i>same acts</i>) -----	1,260.00	
(9) Six clerks, class 1 (increase of 1) (<i>same acts</i>) -----	7,200.00	
NOTE.—An additional clerk is needed to assist in handling the office details connected with the work of field parties. This work has materially increased, and additional help will be needed whether or not any increase in the lump-fund appropriation is provided. If allowed, this place will be filled by original appointment.		
(10) One clerk (<i>same acts</i>) -----	1,080.00	
(11) Three clerks, at \$1,000 each (<i>same acts</i>) -----	3,000.00	
(12) Four clerks, at \$900 each (increase of 2, 1 in lieu of 1 draftsman at \$900, and 1 by transfer from lump fund for biological investigations) (<i>same acts</i>) -----	3,600.00	
NOTE.—A change in designation from draftsman to clerk is recommended in order that the title of this employee will indicate the character of work performed. The duties of the position are mainly clerical, drafting work being incidental, and the occupant of the place now has a civil service status as clerk.		
(13) One clerk (<i>same acts</i>) -----	840.00	
(14) One clerk (<i>same acts</i>) -----	720.00	
(15) One preparator (<i>same acts</i>) -----	1,200.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																								
<i>Salaries, Bureau of Biological Survey—Continued.</i>																																											
(16)	One preparator (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 877, sec. 1, and Aug. 11, 1916, vol. 39, p. 466, sec. 1) --	\$900. 00																																									
(17)	One messenger (<i>same acts</i>) -----	720. 00																																									
(18)	One photographer (<i>same acts</i>) -----	1, 300. 00																																									
(18)	One game warden (<i>same acts</i>) -----	1, 200. 00																																									
(19)	【One draftsman, \$900, changed to one clerk, \$900.】																																										
	NOTE.—See note under item 12.																																										
(20)	Two messengers, messenger boys, or laborers, at \$480 each (<i>same acts</i>) -----	960. 00																																									
(21)	One messenger boy (<i>same acts</i>) -----	360. 00																																									
(22)	One laborer (<i>same acts</i>) -----	600. 00																																									
(23)	Two charwomen, at \$240 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>) -----	480. 00																																									
		\$47, 770. 00	\$44, 030. 00																																								
	<table> <tr> <td>Appropriations for 1908.....</td><td>\$7, 580</td><td>Estimates for 1909.....</td><td>\$9, 780</td></tr> <tr> <td>Appropriations for 1909.....</td><td>7, 580</td><td>Estimates for 1910.....</td><td>13, 000</td></tr> <tr> <td>Appropriations for 1910.....</td><td>13, 000</td><td>Estimates for 1911.....</td><td>15, 400</td></tr> <tr> <td>Appropriations for 1911.....</td><td>15, 400</td><td>Estimates for 1912.....</td><td>25, 100</td></tr> <tr> <td>Appropriations for 1912.....</td><td>24, 000</td><td>Estimates for 1913.....</td><td>25, 100</td></tr> <tr> <td>Appropriations for 1913.....</td><td>25, 100</td><td>Estimates for 1914.....</td><td>30, 040</td></tr> <tr> <td>Appropriations for 1914.....</td><td>29, 990</td><td>Estimates for 1915.....</td><td>31, 590</td></tr> <tr> <td>Appropriations for 1915.....</td><td>32, 790</td><td>Estimates for 1916.....</td><td>34, 470</td></tr> <tr> <td>Appropriations for 1916.....</td><td>34, 470</td><td>Estimates for 1917.....</td><td>44, 030</td></tr> <tr> <td>Appropriations for 1917.....</td><td>44, 030</td><td>Estimates for 1918.....</td><td>47, 770</td></tr> </table>	Appropriations for 1908.....	\$7, 580	Estimates for 1909.....	\$9, 780	Appropriations for 1909.....	7, 580	Estimates for 1910.....	13, 000	Appropriations for 1910.....	13, 000	Estimates for 1911.....	15, 400	Appropriations for 1911.....	15, 400	Estimates for 1912.....	25, 100	Appropriations for 1912.....	24, 000	Estimates for 1913.....	25, 100	Appropriations for 1913.....	25, 100	Estimates for 1914.....	30, 040	Appropriations for 1914.....	29, 990	Estimates for 1915.....	31, 590	Appropriations for 1915.....	32, 790	Estimates for 1916.....	34, 470	Appropriations for 1916.....	34, 470	Estimates for 1917.....	44, 030	Appropriations for 1917.....	44, 030	Estimates for 1918.....	47, 770		
Appropriations for 1908.....	\$7, 580	Estimates for 1909.....	\$9, 780																																								
Appropriations for 1909.....	7, 580	Estimates for 1910.....	13, 000																																								
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Appropriations for 1914.....	29, 990	Estimates for 1915.....	31, 590																																								
Appropriations for 1915.....	32, 790	Estimates for 1916.....	34, 470																																								
Appropriations for 1916.....	34, 470	Estimates for 1917.....	44, 030																																								
Appropriations for 1917.....	44, 030	Estimates for 1918.....	47, 770																																								
	NOTE.—Apparent increase, \$3,740; actual increase, \$2,600, as follows:																																										
	<i>Promotions.</i>																																										
	1 chief of bureau, from \$3,500 to \$4,500.....	\$1, 000																																									
	2 clerks, class 3, to 2 clerks, class 4.....	400																																									
		\$1, 400																																									
	<i>New place.</i>																																										
	1 clerk, class 1.....	1, 200																																									
	Actual increase.....	2, 600																																									
	<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>																																										
	1 clerk, from biological investigations.....	900																																									
	1 charwoman, from administrative expenses.....	240																																									
		1, 140																																									
	Apparent increase.....	3, 740																																									
	<i>Change of title.</i>																																										
	1 clerk, \$900, in lieu of 1 draftsman, \$900.																																										
<i>General Expenses, Bureau of Biological Survey—</i>																																											
(24)	For salaries and employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling, and all other expenses necessary in conducting investigations and carrying out the work of the bureau, as follows (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1, and Aug. 11, 1916, vol. 39, p. 466, 467, sec. 1</i>):																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																								
<i>General Expenses, Bureau of Biological Survey—Continued.</i>																																																										
(25) For the enforcement of sections two hundred and forty-one, two hundred and forty-two, two hundred and forty-three, and two hundred and forty-four of the Act approved March fourth, nineteen hundred and nine, entitled "An Act to codify, revise, and amend the penal laws of the United States," and for the enforcement of section one of the Act approved May twenty-fifth, nineteen hundred, entitled "An Act to enlarge the powers of the Department of Agriculture, prohibit the transportation by interstate commerce of game killed in violation of local laws, and for other purposes," including all necessary investigations in connection therewith [\$14,600] (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1, and Aug. 11, 1916, vol. 39, pp. 466, 467, sec. 1</i>) -----	\$22,000.00																																																									
NOTE.—There is an increase of \$7,400 in this item. At present there are only three inspectors engaged in the enforcement of the Lacey Act. To properly cover the territory needing attention two more inspectors should be appointed, one for the Atlantic and Gulf Coast States and one for the far Western and North-western States. For each \$3,000 will be required to provide salary and traveling expenses. It is also necessary to increase the allotment for traveling expenses of the three inspectors already employed and to use \$500 additional in connection with the inspection of live quail being introduced on the Mexican border, in order that this work may be more effectively done.																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant.....per annum..</td><td>\$3,250.00</td><td>1 (2 mos.)</td><td>1</td></tr><tr><td>Assistant.....do....</td><td>2,500.00</td><td>1</td><td>1 (6½ mos.)</td></tr><tr><td>Inspector.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Inspectors.....do....</td><td>1,500.00</td><td>4</td><td>2 (1 for 10½ mos.)</td></tr><tr><td>Agents.....per inspection..</td><td>5.00</td><td>6 (temp.)</td><td>8 (temp.)</td></tr><tr><td>Clerk*.....per annum..</td><td>1,400.00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$11,841.66</td><td>\$9,381.67</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>8,250.00</td><td>3,588.95</td></tr><tr><td>Equipment and material.....</td><td></td><td>583.00</td><td>311.76</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,325.34</td><td>308.63</td></tr><tr><td>Total.....</td><td></td><td>22,000.00</td><td>13,591.01</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant.....per annum..	\$3,250.00	1 (2 mos.)	1	Assistant.....do....	2,500.00	1	1 (6½ mos.)	Inspector.....do....	1,800.00	1	1	Inspectors.....do....	1,500.00	4	2 (1 for 10½ mos.)	Agents.....per inspection..	5.00	6 (temp.)	8 (temp.)	Clerk*.....per annum..	1,400.00	..	1	Salaries.....		\$11,841.66	\$9,381.67	Other objects of expenditure:				Traveling expenses.....		8,250.00	3,588.95	Equipment and material.....		583.00	311.76	Miscellaneous items.....		1,325.34	308.63	Total.....		22,000.00	13,591.01		
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(26) For the maintenance of the Montana National Bison Range and other reservations and for the maintenance of game introduced into suitable localities on public lands, under supervision of the Biological Survey, including construction of fencing, wardens' quarters, shelters for animals, landings, roads, trails, bridges, ditches, telephone lines, rockwork, bulkheads, and other improvements necessary for the economical administration and protection of the reservations, and for the enforcement of section eighty-four of the Act approved March fourth, nineteen hundred and nine, entitled "An Act to codify, revise, and amend the penal laws of the United States," [\$25,000] \$40,000 , of which sum \$2,500 may be used for the purchase, capture, and transportation of game for national reservations (<i>same acts</i>) -----	40,000.00																																																									
NOTE.—An increase of \$15,000 is necessary in order properly to care for 70 Federal bird reservations and 5 large-game reservations. These reservations are scattered from Florida to Alaska and in the Hawaiian Islands. The present appropriation of \$22,500 is wholly inadequate for the upkeep of buildings and fences, for furnishing hay for winter feeding, and for the maintenance of a proper warden service. Even with the increased appropriation, the average annual cost of each reservation, including the cost of administration, would be only about \$500. At present many of the reservations have no regular warden service.																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																								
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<div><div>¹ This construction work contemplates additional fencing in enlarging the inclosures on the Niobrara Reservation, Nebraska; Wind Cave Park, South Dakota, and National Bison Range, Montana.</div><div>² This work consisted of the construction of a new fence, 588 rods in length, on the Winter Game Elk Preserve, Wyoming, at a cost of \$510, and the construction of additional fencing on the Wind Cave National Park, South Dakota, at a cost of \$250.</div></div>																																																																																										
<i>Game for national reservations.</i>																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Reservation inspector.....per annum..</td><td>\$1,500.00</td><td>--</td><td>1 (2 mos.)</td></tr><tr><td>Agents.....per month..</td><td>100.00</td><td>2 (temp.)</td><td>--</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Carpenter.....per diem..</td><td>3.50</td><td>--</td><td>1 (temp.)</td></tr><tr><td>Temporary laborers {with team.....do....</td><td>5.00</td><td>--</td><td>1</td></tr><tr><td> {without team.....do....</td><td>2.75</td><td>--</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$500.00</td><td>\$257.45</td></tr><tr><td>Wages.....</td><td></td><td></td><td>36.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>500.00</td><td>277.09</td></tr><tr><td>Equipment and material.....</td><td></td><td>600.00</td><td>6.35</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>900.00</td><td>1,177.46</td></tr><tr><td>Total.....</td><td></td><td>2,500.00</td><td>1,754.35</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Reservation inspector.....per annum..	\$1,500.00	--	1 (2 mos.)	Agents.....per month..	100.00	2 (temp.)	--	Wages:				Carpenter.....per diem..	3.50	--	1 (temp.)	Temporary laborers {with team.....do....	5.00	--	1	{without team.....do....	2.75	--	1	Salaries.....		\$500.00	\$257.45	Wages.....			36.00	Other objects of expenditure:				Traveling expenses.....		500.00	277.09	Equipment and material.....		600.00	6.35	Miscellaneous items.....		900.00	1,177.46	Total.....		2,500.00	1,754.35																														
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(27) For the <i>maintenance and further</i> improvement of the game preserve in Sullys Hill National Park, in the State of North Dakota, including the construction of all fences, sheds, buildings, corrals, roads, and other structures which may be necessary, in addition to the amount heretofore appropriated, \$5,000, the same to be available until expended (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1, and Aug. 11, 1916, vol. 39, pp. 466, 467, sec. 1</i>)-----	\$5,000.00																																																																																									
NOTE.—There is no change in the amount of this item, but new language has been added in order to make it possible to use any funds not required for actual improvements for the purpose of maintaining the reservation, including warden service, winter feed of animals, etc.																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Biological Survey—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Inspector.....per annum..	\$1,500.00	1	1 (2 mos.)		
Surveyors, \$7 and \$5.....per diem..		2	2 (temp.)		
Warden.....per annum..	900.00	1			
Wages:					
Temporary labor.....do.....	600.00	1			
Salaries.....		\$900.00		\$238.34	
Wages.....		300.00			
Other objects of expenditure:					
Traveling expenses.....				170.64	
Equipment and material.....		800.00			
Miscellaneous items.....				42.58	
Construction work.....		13,000.00		26,279.12	
Total.....		5,000.00		6,730.68	
¹ This contemplates the construction of a wharf, roads, paths, etc., necessary in the improvement of the preserve. ² This covers the construction of an 88-inch woven wire fence, about 6 miles in length, enclosing Sullys Hill National Park Game Preserve, North Dakota.					
(28) For investigating the food habits of North American birds and mammals in relation to agriculture, horticulture, and forestry, including experiments and demonstrations in destroying wolves, coyotes, prairie dogs, and other animals injurious to agriculture and animal husbandry, and for investigations and experiments in connection with rearing of fur-bearing animals, including mink and marten, \$400,540: <i>Provided</i> , That of this sum \$15,000 shall be used for the destruction of ground squirrels on the national forests, and other public lands: <i>Provided further</i> , That of this sum not more than \$5,000 may be used in investigating the disease of wild ducks in the Salt Lake Valley region of Utah: <i>And provided also</i> , That of this sum not less than \$125,000 shall be used on the national forests and the public domain in destroying wolves, coyotes, and other animals injurious to agriculture, [and] animal husbandry, and wild game: <i>And provided further</i> , That of this sum not more than \$125,000 shall be used on the public lands, national forests, and elsewhere in the Western and Northwestern States for the protection of stock and other domestic animals through the suppression of rabies by the destruction of wolves, coyotes, and other predatory wild animals (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1, and Aug. 11, 1916, vol. 39, pp. 466, 467, sec. 1</i>)				\$400,540.00	
NOTE.—There is no change in the amount of this item, but the language has been amended by the addition of the words "and wild game" at the end of the third proviso. These words are added in order that there may be no doubt as to the authority of the department to destroy predatory animals which prey upon wild game as well as upon live stock.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Biological Survey—Continued.</i>					
<i>Food habits of birds and mammals.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Assistant.....per annum	\$3,250.00	1	1		
Assistant biologist.....do	2,400.00	1	1		
Assistant biologists.....do	2,250.00	1	2 (1 for 7½ mos.)		
Assistant biologists.....do	2,000.00	3	2		
Assistant biologist.....do	1,800.00	1	---		
Assistant biologists.....do	1,600.00	4	4 (1 for 4 mos.)		
Assistant biologists.....do	1,400.00	5	---		
Assistants.....do	1,400.00	---	4 (temp.)		
Assistants.....do	1,200.00	6	10 (7 temp.)		
Agent, assistants, fur farm keeper, preparators, and student assistant, \$1,080 to \$300.....per annum	---	7	17 (14 temp.)		
Clerks, preparator, typewriter and messenger boy, \$1,400 to \$360 *.....per annum	---	5	5 (1 for 10 mos.)		
Watchman and messenger boys, \$600 and \$360.....per annum	---	---	3 (temp.)		
Wages:					
Laborers (hunters and trappers, etc.), some with horses and equipment, \$115 to \$60.....per month	---	100 (79 temp.)	231 (temp.)		
Salaries.....	---	\$42,880.00	\$41,255.68		
Wages.....	---	52,160.00	45,627.41		
Other objects of expenditure:					
Traveling expenses.....	---	14,600.00	15,703.21		
Equipment and material.....	---	20,000.00	2,485.36		
Miscellaneous items.....	---	5,900.00	29,754.26		
Total.....	---	135,540.00	134,825.92		
* Transferred to statutory roll in Agricultural act for 1917.					
<i>Exterminating ground squirrels.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Biological assistant.....per annum	\$1,500.00	---	1 (temp.)		
Biological assistant.....do	1,400.00	---	1 (temp.)		
Biological assistant.....do	1,200.00	---	1 (temp.)		
Biological assistant.....do	1,000.00	---	1 (temp.)		
Biological assistants.....do	900.00	1	3 (temp.)		
Wages:					
Temporary laborers, with teams and equipment, \$100 to \$60.....per month	---	23	76		
Salaries.....	---	\$900.00	\$1,109.17		
Wages.....	---	9,100.00	8,190.96		
Other objects of expenditure:					
Traveling expenses.....	---	1,000.00	1,062.97		
Equipment and material.....	---	2,500.00	113.20		
Miscellaneous items.....	---	1,500.00	4,066.99		
Total.....	---	15,000.00	14,543.29		
<i>Noxious animals.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Assistant biologist.....per annum	\$2,250.00	1	1 (3 mos.)		
Biological assistant.....do	1,500.00	---	1 (temp.)		
Biological assistants.....do	1,200.00	---	3 (temp.)		
Inspectors.....do	1,500.00	2	---		
Inspectors.....do	1,400.00	5	---		
Inspectors.....do	1,200.00	10	13 (temp.)		
Biological assistants and hunter.....do	900.00	---	3 (temp.)		
Wages:					
Laborers (hunters, trappers, etc.), including horses and equipment, \$115 to \$65.....per month	---	180	394 (temp.)		
Salaries.....	---	\$24,250.00	\$8,266.98		
Wages.....	---	183,300.00	87,545.40		
Other objects of expenditure:					
Traveling expenses.....	---	20,000.00	8,042.73		
Equipment and material.....	---	15,000.00	1,070.02		
Miscellaneous items.....	---	7,450.00	10,889.90		
Total.....	---	250,000.00	115,815.03		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
General Expenses, Bureau of Biological Survey—Continued.					
Suppressing spread of rabies in wild animals.					
Employees.	Rate.	Estimated, 1918.*	Expended, 1916.		
Salaries:		Number.	Number.		
Assistant biologist.....per annum..	\$2,250.00	..	1 (1½ mos.)		
Biological assistant.....do.....	1,500.00	..	1 (temp.)		
Biological assistants.....do.....	1,200.00	..	2 (temp.)		
Predatory animal inspectors.....do.....	1,200.00	..	2 (temp.)		
Wages:					
Temporary laborers, including horses and equipment, \$115 to \$65.....per month..	..	..	121		
Salaries.....			\$1,156.25		
Wages.....			33,739.25		
Other objects of expenditure:					
Traveling expenses.....			1,730.25		
Miscellaneous items.....			3,641.98		
Total.....			40,267.73		
* Estimates for this work during fiscal year 1918 combined with those for destroying noxious animals on national forests and public domain.					
(29) For biological investigations, including the relations, habits, geographic distribution, and migrations of animals and plants, and the preparation of maps of the life zones ["\$26,500"] (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1, and Aug. 11, 1916, vol. 39, pp. 466, 467, sec. 1</i>)---- \$30,600.00					
NOTE.—There is an apparent increase in this item of \$4,100, but, taking into consideration the transfer to the statutory roll of one clerk at \$900, the actual increase is \$5,000. It is desirable to hasten the completion of the field investigations of the distribution and habits of birds and mammals in the States. These investigations have been under way for several years and have been completed in several States. Owing to the small appropriations this work has been done only in a desultory manner, although the information resulting therefrom is of the greatest practical use in connection with State and Federal legislation. Additional assistance is necessary to compile and arrange in files where it is available for reference the large amount of data which has been acquired concerning the birds and mammals of the country. This is the basic information for the economic work of the bureau in the conservation of useful birds and mammals and the control of noxious ones.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Chief field naturalist.....per annum..	\$3,000.00	1	1 (5½ mos.)		
Assistant biologist.....do.....	2,250.00	1	1		
Assistant biologist.....do.....	2,200.00	1	1		
Assistant biologist.....do.....	2,100.00	..	1 (temp.)		
Assistant biologists.....do.....	2,000.00	3	2 (1 for 10 mos.; 1 temp.)		
Assistant biologist.....do.....	1,800.00	..	1 (10½ mos.)		
Assistant biologist.....do.....	1,600.00	1	1 (4 mos.)		
Assistant biologists.....do.....	1,400.00	1	2 (1 temp.)		
Assistants.....do.....	1,200.00	2 (temp.)	7 (temp.)		
Clerk.....do.....	1,200.00	..	1 (temp.)		
Clerk.....do.....	900.00	1	*1		
Consulting biologist, assistant biologist, field assistants, preparator, clerks, and student assistants—					
Per month.....	90.00–1.00	6 (temp.)	20 (temp.)		
Per diem.....	10.00	1 (temp.)	1 (temp.)		
Per hour.....	.75	..	1 (temp.)		
Wages:					
Temporary laborers—					
Without teams, \$60 and \$25 per month.....	..	..	2		
With teams, \$5 and \$4.50 per diem.....	..	..	4		
Salaries.....		\$19,550.00	\$17,395.16		
Wages.....			570.00		
Other objects of expenditure:					
Traveling expenses.....		8,800.00	4,281.59		
Equipment and material.....		1,400.00	771.76		
Miscellaneous items.....		850.00	2,252.90		
Total.....		30,600.00	25,271.41		
* Transferred to statutory roll in estimates for 1918.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																								
<i>General Expenses, Bureau of Biological Survey—Continued.</i>																																																																																										
(30) For all necessary expenses for enforcing the provisions of the Act approved March fourth, nineteen hundred and thirteen (Thirty-seventh Statutes at Large, pages eight hundred and forty-seven and eight hundred and forty-eight), relating to the protection of migratory game and insectivorous birds, and for cooperation with local authorities in the protection of migratory birds, and for necessary investigations connected therewith [\$50,000] (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1, and Aug. 11, 1916, vol. 39, pp. 466, 467, sec. 1</i>) --- \$100,000.00																																																																																										
NOTE.—An increase of \$50,000 is recommended in this item. This sum is needed in order that the department may comply with the widespread and insistent public demand for a more complete enforcement of the migratory-bird law than is possible with the present appropriation. The present condition of our migratory wild fowl resources also require more thorough investigation, so that data may be obtained to serve as the basis for changes in the regulations. It is proposed to use \$26,400 of this increase for salaries of additional inspectors, specialists, and assistants; \$21,375 for traveling expenses, and \$2,225 for miscellaneous expenses.																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant.....per annum..</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Assistants.....do.....</td><td>2,500.00</td><td>1</td><td>2 (1 for 1½ mos.)</td></tr><tr><td>Assistant biologist.....do.....</td><td>2,000.00</td><td>..</td><td>1 (2 mos.)</td></tr><tr><td>Assistant biologist.....do.....</td><td>1,800.00</td><td>..</td><td>1 (1½ mos.)</td></tr><tr><td>Assistant biologist.....do.....</td><td>1,600.00</td><td>1</td><td>..</td></tr><tr><td>Assistant biologists.....do.....</td><td>1,200.00</td><td>2</td><td>..</td></tr><tr><td>Inspectors.....do.....</td><td>1,500.00</td><td>30</td><td>18 (1 for 6½ mos.); 1 for 1½ mos.)</td></tr><tr><td>Assistants.....do.....</td><td>1,200.00</td><td>3 (temp.)</td><td>..</td></tr><tr><td>Clerk.....do.....</td><td>1,400.00</td><td>1</td><td>..</td></tr><tr><td>Clerk *.....do.....</td><td>1,250.00</td><td>..</td><td>1 (9 mos.)</td></tr><tr><td>Clerk.....do.....</td><td>1,200.00</td><td>..</td><td>1</td></tr><tr><td>Cooperating wardens and game protectors, \$12 and \$1.....per annum..</td><td>.....</td><td>225</td><td>242</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers.....per diem..</td><td>3.00</td><td>..</td><td>4</td></tr><tr><td>Salaries.....</td><td>.....</td><td>\$59,525.00</td><td>\$32,839.61</td></tr><tr><td>Wages.....</td><td>.....</td><td>.....</td><td>406.50</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td>.....</td><td>36,900.00</td><td>13,159.52</td></tr><tr><td>Miscellaneous items.....</td><td>.....</td><td>3,575.00</td><td>948.81</td></tr><tr><td>Total.....</td><td>.....</td><td>100,000.00</td><td>47,354.44</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant.....per annum..	\$3,000.00	1	1	Assistants.....do.....	2,500.00	1	2 (1 for 1½ mos.)	Assistant biologist.....do.....	2,000.00	..	1 (2 mos.)	Assistant biologist.....do.....	1,800.00	..	1 (1½ mos.)	Assistant biologist.....do.....	1,600.00	1	..	Assistant biologists.....do.....	1,200.00	2	..	Inspectors.....do.....	1,500.00	30	18 (1 for 6½ mos.); 1 for 1½ mos.)	Assistants.....do.....	1,200.00	3 (temp.)	..	Clerk.....do.....	1,400.00	1	..	Clerk *.....do.....	1,250.00	..	1 (9 mos.)	Clerk.....do.....	1,200.00	..	1	Cooperating wardens and game protectors, \$12 and \$1.....per annum..	225	242	Wages:				Temporary laborers.....per diem..	3.00	..	4	Salaries.....	\$59,525.00	\$32,839.61	Wages.....	406.50	Other objects of expenditure:				Traveling expenses.....	36,900.00	13,159.52	Miscellaneous items.....	3,575.00	948.81	Total.....	100,000.00	47,354.44		
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(31) For general administrative expenses connected with the above-mentioned lines of work, including cooperation with other Federal bureaus, departments, boards, and commissions, on request from them [\$12,560] (<i>same acts</i>) 15,000.00																																																																																										

NOTE.—The apparent increase in this item is \$2,440, but taking into consideration the transfer to the statutory roll of one charwoman at \$240, the actual increase is \$2,680. This increase is needed in order to take care of a portion of the salary of an expert in game conservation (\$3,250), who has recently been attached to the administrative staff and assigned to general duties connected with the various activities of the bureau. The salary of this expert during the fiscal year ending June 30, 1917, is paid from money which otherwise would have been used in cooperative work with other bureaus. Money for this work is urgently needed, especially for cooperation with the Forest Service.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																				
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In all, for general expenses	\$613,140.00	\$534,200.00																																																																																																				
<table><tr><td>Appropriations for 1908.....</td><td>\$44,420</td><td>Estimates for 1909.....</td><td>\$60,170</td></tr><tr><td>Appropriations for 1909.....</td><td>54,420</td><td>Estimates for 1910.....</td><td>90,170</td></tr><tr><td>Appropriations for 1910.....</td><td>74,420</td><td>Estimates for 1911.....</td><td>71,520</td></tr><tr><td>Deficiency act.....</td><td>7,700</td><td></td><td></td></tr><tr><td>Appropriations for 1911.....</td><td>71,520</td><td>Estimates for 1912.....</td><td>101,000</td></tr><tr><td>Appropriations for 1912.....</td><td>115,700</td><td>Estimates for 1913.....</td><td>108,300</td></tr><tr><td>Appropriations for 1913.....</td><td>166,300</td><td>Estimates for 1914.....</td><td>143,000</td></tr><tr><td>Appropriations for 1914.....</td><td>141,000</td><td>Estimates for 1915.....</td><td>233,500</td></tr><tr><td>Appropriations for 1915.....</td><td>248,500</td><td>Estimates for 1916.....</td><td>236,820</td></tr><tr><td>Appropriations for 1916.....</td><td>411,820</td><td>Estimates for 1917.....</td><td>449,880</td></tr><tr><td>Deficiency act.....</td><td>75,000</td><td></td><td></td></tr><tr><td>Appropriations for 1917.....</td><td>534,200</td><td>Estimates for 1918.....</td><td>613,140</td></tr></table>	Appropriations for 1908.....	\$44,420	Estimates for 1909.....	\$60,170	Appropriations for 1909.....	54,420	Estimates for 1910.....	90,170	Appropriations for 1910.....	74,420	Estimates for 1911.....	71,520	Deficiency act.....	7,700			Appropriations for 1911.....	71,520	Estimates for 1912.....	101,000	Appropriations for 1912.....	115,700	Estimates for 1913.....	108,300	Appropriations for 1913.....	166,300	Estimates for 1914.....	143,000	Appropriations for 1914.....	141,000	Estimates for 1915.....	233,500	Appropriations for 1915.....	248,500	Estimates for 1916.....	236,820	Appropriations for 1916.....	411,820	Estimates for 1917.....	449,880	Deficiency act.....	75,000			Appropriations for 1917.....	534,200	Estimates for 1918.....	613,140																																																						
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<i>Statement of clerks employed in the District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>																																																																																																						
GENERAL EXPENSES, BUREAU OF BIOLOGICAL SURVEY.																																																																																																						
<div>1 clerk, \$1,600 per annum. 2 clerks, at \$1,400 per annum each. 2 clerks, at \$1,260 per annum each. 3 clerks, at \$1,200 per annum each. 1 clerk, \$1,080 per annum. 1 clerk, \$1,020 per annum. 1 clerk, \$900 per annum. 1 clerk, \$840 per annum. 1 clerk, \$720 per annum. 2 clerk , at \$600 per annum each.</div>																																																																																																						
Total for Bureau of Biological Survey	660,910.00	578,230.00																																																																																																				

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
DIVISION OF ACCOUNTS AND DISBURSEMENTS.		
<i>Salaries, Division of Accounts and Disbursements—</i>		
(1) One chief of division and disbursing clerk (<i>R. S. p. 87, secs. 520-523, and act Aug. 11, 1916, vol. 39, pp. 467, 468, sec. 1</i>) -----	\$4, 000. 00	
(2) One supervising auditor (<i>same acts</i>) -----	2, 250. 00	
(3) One cashier and chief clerk (increase of \$250) (<i>same acts</i>) -----	2, 500. 00	
NOTE.—This official has supervision of the clerical force of the Division of Accounts and performs other duties usually devolving upon a chief clerk. In his capacity as cashier he handles all cash received and disbursed, aggregating approximately \$5,000,000 in a single fiscal year. In addition, he supervises the drawing and mailing of all checks which, in the fiscal year 1916, aggregated 220,000 in number. He has served in the department 15 years and was last promoted on July 1, 1913.		
(4) One deputy disbursing clerk (increase of \$250) (<i>same acts</i>) -----	2, 250. 00	
NOTE.—This employee is charged with some of the more important work of the division and he has had wide experience in all phases of accountancy. In addition to other duties, he makes the final examination of all vouchers involving the purchase of lands under the Weeks forestry law. He has served in the department for 11 years and was last promoted in 1910.		
(5) One accountant and bookkeeper (<i>same acts</i>) -----	2, 000. 00	
(6) Three clerks, class 4 (increase of 1 in lieu of 1 clerk, class 3, with increase of \$200) (<i>same acts</i>) -----	5, 400. 00	
NOTE.—This change is recommended in order to provide a promotion for a deserving clerk, now receiving \$1,600. This employee is charged with responsible duties of a varied character, including the compilation of special reports and statements for the Office of the Secretary, the examination of vouchers presented for payment, and other important work requiring experience in fiscal matters. He has served in the department for nine years, securing his last promotion on August 12, 1912.		
(7) Three clerks, class 3 (decrease of 1 by change to 1 clerk, class 4) (<i>same acts</i>) -----	4, 800. 00	
NOTE.—See note under item 6.		
(8) Six clerks, class 2 (increase of 1 in lieu of 1 custodian of records and files at \$1,400) (<i>same acts</i>) -----	8, 400. 00	
NOTE.—The duties of this position are of a general clerical character and are not restricted to the keeping of records and files. It is therefore recommended that the title be changed.		
(9) Five clerks, class 1 (<i>same acts</i>) -----	6, 000. 00	
(10) Four clerks, at \$1,000 each (<i>same acts</i>) -----	4, 000. 00	
(11) Two clerks, at \$900 each (decrease of 1) (<i>same acts</i>) -----	1, 800. 00	
NOTE.—Considerable difficulty has been experienced in obtaining clerks at \$900. It is therefore recommended that this place be dropped.		
(12) One custodian of records and files, \$1,400, changed to one clerk, class 2.		
NOTE.—See note under item 8.		
(13) One messenger (<i>same acts</i>) -----	720. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Division of Accounts and Disbursements—Continued.</i>		
(14) One messenger or messenger boy (<i>R. S. p. 87, secs. 520–523, and act Aug. 11, 1916, vol. 39, pp. 467, 468, sec. 1</i>).....	\$600. 00	
NOTE.—Actual decrease \$200, as follows:		
<i>Promotions.</i>		
1 cashier and chief clerk, from \$2,250 to \$2,500.....	\$250	
1 deputy disbursing clerk, from \$2,000 to \$2,250.....	250	
1 clerk, class 3, to 1 clerk, class 4.....	200	
	————\$700	
<i>Place dropped.</i>		
1 clerk.....	900	
Actual decrease.....	200	
<i>Change of title.</i>		
1 clerk, class 2, in lieu of 1 custodian of records and files, \$1,400.		
Appropriations for 1908..... \$41,790	Estimates for 1909..... \$46,490	
Appropriations for 1909..... 46,690	Estimates for 1910..... 56,090	
Appropriations for 1910..... 61,490	Estimates for 1911..... 61,490	
Appropriations for 1911..... 79,990	Estimates for 1912..... 98,470	
Appropriations for 1912..... 97,520	Estimates for 1913..... 104,620	
Appropriations for 1913..... 104,620	Estimates for 1914..... 104,170	
Appropriations for 1914..... 104,370	Estimates for 1915..... 59,920	
Appropriations for 1915..... 46,320	Estimates for 1916..... 44,920	
Appropriations for 1916..... 44,920	Estimates for 1917..... 44,920	
Appropriations for 1917..... 44,920	Estimates for 1918..... 44,720	
Total for Division of Accounts and Disbursements.....	\$44,720. 00	\$44,920. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
DIVISION OF PUBLICATIONS.		
<i>Salaries, Division of Publications—</i>		
(1) One editor, who shall be chief of division (<i>R. S., p. 87, secs. 520-523; Act's Mar. 1, 1899, vol. 30, p. 948, sec. 1, and Aug. 11, 1916, vol. 39, p. 468, sec. 1</i>)	\$3,500.00	
(2) One editor, who shall be assistant chief of division (<i>same acts</i>)	2,500.00	
(3) One chief clerk (<i>same acts</i>)	2,000.00	
(4) Two assistant editors, at \$2,000 each (<i>same acts</i>)	4,000.00	
(5) Four assistant editors, at \$1,800 each (<i>same acts</i>)	7,200.00	
(6) One assistant editor (<i>same acts</i>)	1,600.00	
(7) One assistant editor (<i>same acts</i>)	1,400.00	
(8) One assistant editor in charge of indexing (<i>same acts</i>)	2,000.00	
(9) One indexer (<i>same acts</i>)	1,400.00	
(10) One assistant in charge of illustrations (increase of \$180) (<i>same acts</i>)	2,280.00	
NOTE.—This employee has been in the service for 12 years and was last promoted on July 1, 1913. He has charge of all the illustration and photographic work of the Division of Publications and of the motion-picture work of the department. When the motion-picture work was inaugurated it was placed under his direction, thereby adding greatly to his responsibilities. The illustration and photographic work also has greatly increased in volume with the growth and development of the work of the department. He is fully entitled to the increase recommended. The salary suggested is below that paid in the commercial motion-picture field to men occupying similar positions.		
(11) Two draftsmen or photographers, at \$1,600 each (<i>same acts</i>)	3,200.00	
(12) Two draftsmen or photographers, at \$1,500 each (<i>same acts</i>)	3,000.00	
(13) Three draftsmen or photographers, at \$1,400 each (increase of 1 by transfer from lump fund for cotton futures, Bureau of Markets) (<i>same acts</i>)	4,200.00	
(14) One draftsman or photographer (<i>same acts</i>)	1,300.00	
(15) Nine draftsmen or photographers, at \$1,200 each (increase of 2, 1 in lieu of 1 assistant photographer, \$900, with increase of \$300, and one new place) (<i>same acts</i>)	10,800.00	
NOTE.—Two additional places are recommended; 1 in lieu of 1 assistant photographer at \$900 and one new place. It is impossible to retain the services of a competent photographer at \$900, and an additional man is needed in order to handle properly the motion picture work.		
(16) One assistant photographer, \$900, changed to 1 draftsman or photographer, \$1,200.		
NOTE.—See note under item 15.		
(17) One lantern-slide colorist (in lieu of 1 skilled laborer, at \$840, with increase of \$160) (<i>same acts</i>)	1,000.00	
NOTE.—This change will provide a promotion for a lantern-slide colorist who does very satisfactory work. She has been in the department 5 years and was last promoted July 1, 1914. A change in designation is proposed so that the title will indicate the character of the work performed.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Division of Publications—Continued.</i>		
(18) One assistant in charge of document section (increase of \$100) <i>R. S., p. 87, secs. 520-523; acts Mar. 1, 1899, vol. 30, p. 948, sec. 1, and Aug. 11, 1916, vol. 39, p. 468, sec. 1)-----</i>	\$2, 100. 00	
NOTE.—This employee has served in the department for 24 years, without salary increase since September 16, 1910. He is in charge of the document section, a very important branch of the Division of Publications, and fully deserves the small increase recommended.		
(19) One assistant in document section (<i>same acts</i>)-----	1, 800. 00	
(20) One assistant in document section (in lieu of 1 forewoman, \$1,400) (<i>same acts</i>)-----	1, 400. 00	
NOTE.—This title more accurately describes the character of work performed by the employee now holding the position of forewoman.		
(21) One foreman, miscellaneous distribution (<i>same acts</i>)-----	1, 500. 00	
(22) One forewoman, \$1,400, changed to assistant in document section, \$1,400.		
NOTE.—See note under item 20.		
(23) One clerk, class 3 (<i>same acts</i>)-----	1, 600. 00	
(24) Two clerks, class 2 (increase of 1) (<i>same acts</i>)-----	2, 800. 00	
NOTE.—This new place will make it possible to give small promotions to four deserving clerks in the lower grades, two of whom have been in the department 15 years, without promotion for 10 years. In case this place is provided, it is proposed to drop one clerk at \$840.		
(25) Eleven clerks, class 1 (increase of 2, 1 by transfer from statutory roll, Secretary's office, and one new place) (<i>same acts</i>)-----	13, 200. 00	
NOTE.—Additional assistance will be needed to handle the necessary clerical work in connection with the development of the motion-picture work. If this new place is provided, it is planned to promote 3 clerks in the lower grades and appoint a new clerk at \$840.		
(26) Sixteen clerks, at \$1,000 each (<i>same acts</i>)-----	16, 000. 00	
(27) Forty clerks, at \$900 each (<i>same acts</i>)-----	36, 000. 00	
(28) Seventeen clerks, at \$840 each (decrease of 1) (<i>same acts</i>)-----	14, 280. 00	
NOTE.—One omitted; see note under item 24.		
(29) Two skilled laborers, at \$900 each (<i>same acts</i>)-----	1, 800. 00	
(30) Seven skilled laborers, at \$840 each (decrease of 1 by change to 1 lantern-slide colorist, at \$1,000) (<i>same acts</i>)-----	5, 880. 00	
NOTE.—One skilled laborer at \$840 omitted; see note under item 17.		
(31) Four skilled laborers, at \$780 each (<i>same acts</i>)-----	3, 120. 00	
(32) One skilled laborer (<i>submitted</i>)-----	600. 00	
NOTE.—The service of an additional laborer will be needed in connection with the development of the motion-picture work.		
(33) One chief folder (<i>same acts</i>)-----	1, 200. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Division of Publications—Continued.</i>		
(34) Seventeen skilled laborers, messengers, or messenger boys, at \$720 each (in lieu of 15 skilled laborers, at \$720 each, and 2 messengers, at \$720 each, with change of title in each case) (<i>R. S.</i> , p. 87, secs. 520–523; <i>acts Mar. 1, 1899, vol. 30, p. 948, sec. 1, and Aug. 11, 1916, vol. 39, p. 468, sec. 1</i>) -----	\$12, 240. 00	
NOTE.—A change in title of 15 skilled laborers and 2 messengers, at \$720 each, to "skilled laborers, messengers, or messenger boys" is recommended. This will make it possible, whenever vacancies occur, to promote messenger boys who are working in stencil cutting and on duplicating machines, a character of service for which other employees receive \$840 and \$900 per annum. Under Civil Service rules these boys can not take examinations for promotion, and, except by legislative enactment, they can not be paid more than \$480 per annum.		
(35) [Sixteen skilled laborers, at \$720 each, 15 changed to skilled laborers, messengers, or messenger boys, at \$720 each, and 1 omitted].		
NOTE.—Of the above places, 15 have been changed to "skilled laborers, messengers, or messenger boys," as explained under item 34, and one place is omitted, as explained under item 36.		
(36) Two folders, at \$1,000 each (increase of 1) (<i>same acts</i>) -----	2, 000. 00	
NOTE.—This change contemplates a promotion from \$900 to \$1,000 for the assistant to the foreman of miscellaneous distribution, who has been in the department 8 years and has had no promotion since July 1, 1911. He is very industrious and well adapted to the work to which he is assigned. If this new place is allowed, it will be possible to drop one skilled laborer at \$720 and to promote a skilled laborer at \$840 to folder at \$900, one skilled laborer from \$780 to \$840, and one skilled laborer from \$720 to \$780. All these employees render good service and deserve promotion.		
(37) Two folders, at \$900 each (<i>same acts</i>) -----	1, 800. 00	
(38) Two skilled laborers, at \$1,100 each (<i>same acts</i>) -----	2, 200. 00	
(39) One skilled laborer (<i>same acts</i>) -----	1, 000. 00	
(40) Two messengers, at \$840 each (<i>same acts</i>) -----	1, 680. 00	
(41) [Twomess engers, at \$720 each, changed to 2 skilled laborers, messengers, or messenger boys, at \$720 each.]		
NOTE.—See note under item 34.		
(42) Three messengers or messenger boys, at \$600 each (<i>same acts</i>) ---	1, 800. 00	
(43) Two messengers or messenger boys, at \$480 each (<i>same acts</i>) ---	960. 00	
(44) Two messengers or messenger boys, at \$420 each (<i>same acts</i>) ---	840. 00	
(45) Two messengers or messenger boys, at \$360 each (<i>same acts</i>) ---	720. 00	
(46) One laborer (increase of \$60) (<i>same acts</i>) -----	900. 00	
NOTE.—This employee is charged with the receipt of all printed matter from the Government Printing Office and the custody of supplies. He has served 12 years and was last promoted July 1, 1913. The small increase recommended is well deserved.		
(47) Two laborers, at \$600 each (<i>same acts</i>) -----	1, 200. 00	
(48) Three charwomen, at \$480 each (decrease of 1 by transfer to statutory roll, Secretary's office) (<i>same acts</i>) -----	1, 440. 00	
(49) Three charwomen, at \$240 each (<i>same acts</i>) -----	720. 00	
	\$184, 160. 00	\$177, 400. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Division of Publications—Continued.</i>		
Appropriations for 1908..... \$126,550	Estimates for 1909.....	\$141,830
Appropriations for 1909..... 139,710	Estimates for 1910.....	141,980
Appropriations for 1910..... 173,450	Estimates for 1911.....	172,730
Appropriations for 1911..... 172,730	Estimates for 1912.....	177,510
Appropriations for 1912..... 179,960	Estimates for 1913.....	181,110
Appropriations for 1913..... 194,700	Estimates for 1914.....	165,810
Appropriations for 1914..... 166,410	Estimates for 1915.....	171,090
Appropriations for 1915..... 170,750	Estimates for 1916.....	174,750
Appropriations for 1916..... 174,750	Estimates for 1917.....	175,830
Appropriations for 1917..... 177,400	Estimates for 1918.....	184,160
NOTE.—Actual increase, \$6,760, as follows:		
<i>Promotions.</i>		
1 assistant in charge of illustrations, from \$2,100 to \$2,280.....	\$180	
1 assistant photographer, \$900, to 1 draftsman or photographer, \$1,200.....	300	
1 skilled laborer, \$840, to 1 lantern-slide colorist, \$1,000.....	160	
1 assistant in charge of document section, from \$2,000 to \$2,100..	100	
1 laborer, from \$840 to \$900.....	60	
	<u>\$800</u>	
<i>New places.</i>		
1 draftsman or photographer.....	\$1,200	
1 clerk, class 2.....	1,400	
1 clerk, class 1.....	1,200	
1 folder.....	1,000	
1 skilled laborer.....	600	
	<u>\$5,400</u>	
<i>Transfers from funds of other bureaus, which funds have been correspondingly reduced.</i>		
1 draftsman or photographer, from cotton futures act, Bureau of Markets.....	1,400	
1 clerk, class 1, from statutory roll, office of the Secretary	1,200	
	<u>2,600</u>	
	8,800	
<i>Transfer to statutory roll, Office of Secretary, and this roll correspondingly reduced.</i>		
1 charwoman.....	480	
<i>Places dropped.</i>		
1 clerk.....	840	
1 skilled laborer.....	720	
	<u>2,040</u>	
Actual increase.....	6,760	
<i>Change of title.</i>		
1 draftsman or photographer, \$1,200 in lieu of 1 assistant photographer, \$900.		
1 lantern-slide colorist, \$1,000, in lieu of 1 skilled laborer, \$840.		
1 assistant in document section, \$1,400, in lieu of 1 forewoman, \$1,400.		
17 skilled laborers, messengers, or messenger boys, at \$720 each, in lieu of 15 skilled laborers at \$720 each and 2 messengers at \$720 each.		
<i>General Expenses, Division of Publications—</i>		
(50) For miscellaneous objects of expenditure in connection with the publication, indexing, illustration, and distribution of bulletins, documents, and reports, as follows (<i>R. S.</i> , p. 87, sec. 520, and act Aug. 11, 1916, vol. 39, p. 468, sec. 1):		
(51) For labor-saving machinery, including necessary supplies 【\$3,000】 (<i>same acts</i>)	\$3,500.00	
NOTE.—There is an increase in this item of \$500. This increase will permit the purchase of a new cutting machine for use in connection with the duplicating and other work performed by the division. The present machine is a cheap one, is practically worn out, does poor work, and is wholly unsuited to the requirements of the work.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																								
General Expenses, Division of Publications—Continued.																																										
(52) For envelopes, stationery, and materials (<i>R. S.</i> , p. 87, sec. 520, and act Aug. 11, 1916, vol. 39, p. 468, sec. 1) -----	\$6, 500. 00																																									
(53) For office furniture and fixtures 【\$1,000】 (<i>same acts</i>) -----	1, 320. 0 ⁰																																									
NOTE.—An increase of \$320 is proposed in this item. This sum will permit the purchase of four additional fireproof storage cabinets, which are necessary for the proper storing and safe-keeping of films produced in connection with the motion-picture work of the department.																																										
(54) For photographic equipment and for photographic materials and artists' tools and supplies, 【\$6,000】 \$25,800: <i>Provided, That hereafter the Secretary of Agriculture is authorized, under such rules and regulations and subject to such conditions as he may prescribe, to loan, rent, or sell copies of films; all moneys received from such rentals or sales to be covered into the Treasury of the United States as miscellaneous receipts (same acts)</i> -----	25, 800. 00																																									
NOTE.—There is an increase in this item of \$19,800. Of this amount \$1,000 is urgently needed to provide for the large increase in volume of the photographic work of the division and to meet the great advance in the cost of photographic materials, such as paper, plates, chemicals, etc. The larger part of this increase (\$18,800) is requested in order to properly develop the motion-picture work of the department. This work has successfully passed its experimental stage, and the department's laboratory has proven its ability to produce excellent films at a reasonable cost. The educational value of agricultural films has been conclusively demonstrated. Reports from many points and the result of a special test in Minnesota establish clearly that educational authorities are desirous of making wide use of these films and that they have proven helpful and instructive. In the opinion of the department it is very desirable that the motion-picture work should be placed on a definite basis. In order to do this adequately the appropriation recommended in this item will be required. Authority should also be granted to loan, rent, or sell films, as outlined in the proviso which has been added to this item. Under these conditions it is believed that a much wider public use can be made of the films, both directly and in cooperation with the State agricultural colleges and other agencies.																																										
(55) For telephone and telegraph service and freight and express charges (<i>same acts</i>) -----	250. 00																																									
(56) For wagons, bicycles, horses, harness, and maintenance of the same (<i>same acts</i>) -----	500. 00																																									
(57) For purchase of manuscripts, traveling expenses, electrotypes, illustrations, and other expenses not otherwise provided for (<i>same acts</i>) -----	3, 000. 00																																									
In all, for general expenses -----	\$40, 870. 00	\$20, 250. 00																																								
<table><tr><td>Appropriations for 1908.....</td><td>¹ \$35, 000</td><td>Estimates for 1909.....</td><td>\$40, 000</td></tr><tr><td>Appropriations for 1909.....</td><td>40, 000</td><td>Estimates for 1910.....</td><td>70, 000</td></tr><tr><td>Appropriations for 1910.....</td><td>33, 000</td><td>Estimates for 1911.....</td><td>30, 000</td></tr><tr><td>Appropriations for 1911.....</td><td>30, 000</td><td>Estimates for 1912.....</td><td>30, 000</td></tr><tr><td>Appropriations for 1912.....</td><td>30, 000</td><td>Estimates for 1913.....</td><td>25, 000</td></tr><tr><td>Appropriations for 1913.....</td><td>25, 000</td><td>Estimates for 1914.....</td><td>18, 250</td></tr><tr><td>Appropriations for 1914.....</td><td>18, 250</td><td>Estimates for 1915.....</td><td>18, 750</td></tr><tr><td>Appropriations for 1915.....</td><td>18, 750</td><td>Estimates for 1916.....</td><td>18, 750</td></tr><tr><td>Appropriations for 1916.....</td><td>18, 750</td><td>Estimates for 1917.....</td><td>20, 250</td></tr><tr><td>Appropriations for 1917.....</td><td>20, 250</td><td>Estimates for 1918.....</td><td>40, 870</td></tr></table>			Appropriations for 1908.....	¹ \$35, 000	Estimates for 1909.....	\$40, 000	Appropriations for 1909.....	40, 000	Estimates for 1910.....	70, 000	Appropriations for 1910.....	33, 000	Estimates for 1911.....	30, 000	Appropriations for 1911.....	30, 000	Estimates for 1912.....	30, 000	Appropriations for 1912.....	30, 000	Estimates for 1913.....	25, 000	Appropriations for 1913.....	25, 000	Estimates for 1914.....	18, 250	Appropriations for 1914.....	18, 250	Estimates for 1915.....	18, 750	Appropriations for 1915.....	18, 750	Estimates for 1916.....	18, 750	Appropriations for 1916.....	18, 750	Estimates for 1917.....	20, 250	Appropriations for 1917.....	20, 250	Estimates for 1918.....	40, 870
Appropriations for 1908.....	¹ \$35, 000	Estimates for 1909.....	\$40, 000																																							
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Appropriations for 1913.....	25, 000	Estimates for 1914.....	18, 250																																							
Appropriations for 1914.....	18, 250	Estimates for 1915.....	18, 750																																							
Appropriations for 1915.....	18, 750	Estimates for 1916.....	18, 750																																							
Appropriations for 1916.....	18, 750	Estimates for 1917.....	20, 250																																							
Appropriations for 1917.....	20, 250	Estimates for 1918.....	40, 870																																							
NOTE.—No salaries are paid from any of the items above for general expenses, and, as the objects of the appropriations are so clearly defined therein, the classification of expenditures called for by section 10 of the sundry civil act of August 1, 1914, has been deemed unnecessary.																																										
Total for Division of Publications -----																																										
¹ Beginning with 1908 Farmers' Bulletins provided for under printing and binding in the sundry civil bill.																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
BUREAU OF CROP ESTIMATES.		
Salaries, Bureau of Crop Estimates—		
(1) One statistician, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523, and act Aug. 11, 1916, vol. 39, p. 468, sec. 1</i>) -----	\$4, 000. 00	
(2) One chief clerk (<i>same acts</i>) -----	1, 800. 00	
(3) Seven clerks, class 4 (increase of 1) (<i>same acts</i>) -----	12, 600. 00	
NOTE.—See note under item 5.		
(4) Ten clerks, class 3 (increase of 1) (<i>same acts</i>) -----	16, 000. 00	
NOTE.—See note under item 5.		
(5) Seventeen clerks, class 2 (increase of 2) (<i>same acts</i>) -----	23, 800. 00	
NOTE.—The changes included in this and the two preceding items will add four new places, but it is proposed to drop 1 clerk at \$900, making a net gain of three places. Additional clerical assistance is necessary in order that the increased volume of work incident to the extension of the truck and fruit crop investigations of the bureau may be properly handled. If these new places are allowed, it will be possible to secure two high-grade statistical clerks at \$1,600 and an additional clerk at \$900 by original appointment. It will also make possible the promotion of eight deserving clerks in the lower grades, many of whom have served several years without salary increase.		
(6) One clerk (<i>same acts</i>) -----	1, 300. 00	
(7) Nineteen clerks, class 1 (<i>same acts</i>) -----	22, 800. 00	
(8) Nineteen clerks, at \$1,000 each (<i>same acts</i>) -----	19, 000. 00	
(9) Twenty-three clerks, at \$900 each (decrease of 1) (<i>same acts</i>) ----	20, 700. 00	
NOTE.—One omitted; see note under item 5.		
(10) Two messengers, at \$840 each (<i>same acts</i>) -----	1, 680. 00	
(11) Five messengers or laborers, at \$720 each (increase of 3) (<i>same acts</i>) -----	3, 600. 00	
NOTE.—This extra help is necessary in order to handle the large amount of work incident to the sending out of schedules. These schedules must be folded and mailed, and, upon their return to the bureau, opened and sorted by crops, States, and counties. During the first six months of 1916 this work increased 150 per cent over a similar period for the preceding year, making it necessary to employ temporary help to keep it up to date. This change will involve no promotions.		
(12) Two messengers, messenger boys, or laborers, at \$660 each (<i>same acts</i>) -----	1, 320. 00	
(13) One messenger, messenger boy, or laborer (<i>same acts</i>) -----	480. 00	
(14) One charwoman, messenger, or laborer (<i>same acts</i>) -----	540. 00	
(15) Two charwomen, messenger boys, or laborers, at \$360 each (<i>same acts</i>) -----	720. 00	
	\$130, 340. 00	\$122, 880.00
Appropriations for 1908..... \$97,040 Estimates for 1909..... \$96,440 Appropriations for 1909..... 96,640 Estimates for 1910..... 104,580 Appropriations for 1910..... 103,860 Estimates for 1911..... 104,700 Appropriations for 1911..... 104,700 Estimates for 1912..... 109,670 Appropriations for 1912..... 108,720 Estimates for 1913..... 111,720 Appropriations for 1913..... 112,380 Estimates for 1914..... 115,880 Appropriations for 1914..... 115,380 Estimates for 1915..... 114,180 Appropriations for 1915..... 115,580 Estimates for 1916..... 116,780 Appropriations for 1916..... 116,780 Estimates for 1917..... 122,880 Appropriations for 1917..... 122,880 Estimates for 1918..... 130,340		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
Salaries, Bureau of Crop Estimates—Continued.		
NOTE.—Actual increase, \$7,460, as follows:		
<i>New places.</i>		
1 clerk, class 4.....	\$1, 800	
1 clerk, class 3.....	1, 600	
2 clerks, class 2.....	2, 800	
3 messengers or laborers, at \$720 each.....	2, 160	
	<hr/> \$8, 360	
<i>Place dropped.</i>		
1 clerk.....	900	
	<hr/> 7, 460	
Actual increase.....		7, 460

General Expenses, Bureau of Crop Estimates—

- (16) For all necessary expenses for collecting, compiling, abstracting, analyzing, summarizing, and interpreting data relating to agriculture; for making and publishing periodically crop and live-stock estimates, including acreage, yield, and value of farm products, as follows: *Provided, That hereafter the Monthly Crop Report shall be printed and distributed on or before the twelfth day of each month (acts Mar. 3, 1903, vol. 32, p. 1162, sec. 1, and Aug. 11, 1916, vol. 39, p. 469, sec. 1):*

NOTE.—New language is added to this item requiring that the Monthly Crop Report be printed and distributed on or before the 12th day of each month. Reports are secured from the field agents of the bureau during the first week of each month. The purpose of the new proviso is to eliminate needless delay in the preparation, printing, and distribution of the Monthly Crop Report.

- (17) Salaries and employment of labor in the city of Washington and elsewhere, supplies, telegraph and telephone service, freight and express charges, and all other necessary miscellaneous administrative expenses (*same acts*)..... \$24, 700. 00

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant chief of bureau.....per annum.. {	\$3, 504.00	1	1
Statistical scientist.....do..... {	3, 264.00	1	1
Statistical scientist.....do..... {	3, 504.00	1	1
Statistical scientists.....do..... {	2, 760.00	1	1
Statistical scientists.....do..... {	2, 520.00	2	2 (1 for 8 mos.)
Statistical scientist.....do..... {	2, 520.00	1	1
Statistical scientist.....do..... {	2, 256.00	1	1
Statistical scientist.....do..... {	2, 256.00	1	1
Statistical scientist.....do..... {	2, 040.00	1	1
Clerk.....do.....	1, 400.00	--	1 (temp.)
Clerk.....do.....	1, 200.00	--	1 (temp.)
Clerk.....do.....	1, 000.00	--	1 (temp.)
Wages:			
Temporary laborers.....per annum.. {	300.00	4	19
Temporary laborers.....per diem.. {	2.00	--	2
Salaries.....		\$19, 584.00	\$19, 243.34
Wages.....		1, 200.00	1, 129.00
Other objects of expenditure:			
Stationery.....		2, 000.00	1, 902.10
Equipment and material.....		1, 196.00	2, 413.19
Telegraph and telephone service.....		550.00	613.64
Miscellaneous items.....		170.00	1, 282.79
Total.....		24, 700.00	26, 584.06

- (18) Salaries, travel, and other necessary expenses of employees out of the city of Washington engaged in field investigations
["\$168,856"] (*same acts*)..... 194,896.00

NOTE.—There is an increase of \$26,040 in this item, which it is proposed to use as follows:

(a) \$5,292 for the promotion of 26 specialists and field agents, 1 from \$2,400 to \$2,580; 2 from \$2,256 to \$2,400; 3 from \$2,016 to \$2,256; 11 from \$1,800 to \$2,016; and 9 from \$1,608 to \$1,800. All these employees have demonstrated their ability, efficiency, and initiative and should receive higher compensation in view of the character of the service rendered.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Bureau of Crop Estimates—Continued.</i>					
<p>(b) \$9,648 for 2 new assistant truck-crop specialists, at \$1,608 each, in order to more effectively cover important areas, and 4 new assistant fruit-crop specialists, at \$1,603 each, in order to estimate fruit crops other than apples, such as peaches, grapes, citrus fruits, small fruits and nuts.</p> <p>(c) \$9,000 to cover traveling expenses of the six new agents, at \$1,500 each.</p> <p>(d) \$2,100 for necessary supplies, telegraph and telephone charges, and miscellaneous expenses for the new agents.</p>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
		<i>Number.</i>	<i>Number.</i>		
Salaries:					
Crop specialist.....per annum.....	\$2,580.00	1	1		
Crop specialist.....do.....	2,400.00	1	..		
Crop specialist.....do.....	2,256.00	1	..		
Crop specialist.....do.....	2,016.00	1	1		
Crop specialists.....do.....	1,800.00	4	..		
Crop specialists.....do.....	1,608.00	7	1		
Statistical scientist.....do.....	2,520.00	..	1 (4 mos.)		
Field agents.....do.....	2,400.00	2	..		
Field agents.....do.....	2,256.00	4	2		
Field agents.....do.....	2,016.00	17	7		
Field agents.....do.....	1,800.00	18	17		
Field agents.....do.....	1,608.00	2	15		
Clerk.....do.....	1,000.00	..	1 (temp.)		
Special agents, \$900 and \$600.....do.....	..	1	2 (1 temp.)		
Salaries.....		\$110,936.00	\$77,448.45		
Other objects of expenditure:					
Stationery.....		7,000.00	4,352.51		
Traveling expenses.....		68,400.00	53,897.18		
Equipment and material.....		5,360.00	1,263.44		
Telegraph and telephone service.....		1,200.00	..		
Miscellaneous items.....		2,000.00	294.85		
Total.....		194,896.00	137,256.43		
In all, for general expenses.....				\$219,596.00	\$193,556.00
Appropriations for 1908.....	\$122,900	Estimates for 1909.....	\$142,900		
Appropriations for 1909.....	125,000	Estimates for 1910.....	136,200		
Appropriations for 1910.....	117,060	Estimates for 1911.....	115,620		
Appropriations for 1911.....	115,620	Estimates for 1912.....	124,900		
Appropriations for 1912.....	122,900	Estimates for 1913.....	128,300		
Appropriations for 1913.....	128,300	Estimates for 1914.....	128,300		
Appropriations for 1914.....	128,300	Estimates for 1915.....	186,500		
Appropriations for 1915.....	160,000	Estimates for 1916.....	174,656		
Appropriations for 1916.....	166,700	Estimates for 1917.....	193,556		
Appropriations for 1917.....	193,556	Estimates for 1918.....	219,596		
<p><i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i></p> <p align="center">GENERAL EXPENSES, BUREAU OF CROP ESTIMATES.</p> <p>1 clerk, \$1,400 per annum.</p> <p>1 clerk, \$1,200 per annum.</p> <p>1 clerk, \$1,000 per annum.</p>					
Total for Bureau of Crop Estimates.....				349,936.00	316,436.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
LIBRARY, DEPARTMENT OF AGRICULTURE.		
<i>Salaries, Library, Department of Agriculture—</i>		
(1) One librarian (increase of \$400) (<i>R. S., p. 87, secs. 520-523, and act Aug. 11, 1916, vol. 39, p. 469, sec. 1</i>)	\$2, 400. 00	
NOTE.—The duties and responsibilities of the librarian have been greatly increased with the growth and development of the work of the department, although there has been no change in the compensation of the position since 1905. The present salary is below that paid other persons occupying positions of similar responsibility.		
(2) One assistant librarian (<i>submitted</i>)	1, 800. 00	
NOTE.—This place will provide a promotion for the employee who now acts as assistant librarian and receives a salary of \$1,600. Her present compensation is lower than that paid several of the bureau librarians and she has had no advance in salary since July 1, 1911. This employee has demonstrated good executive ability, has had thorough training and experience in library work, and possesses a knowledge of foreign languages and scientific bibliographies. This change will also permit of the promotion of 6 employees in lower grades and will enable the library to secure the services of an additional clerk at \$900, which the increased work makes necessary.		
(3) One clerk, class 3 (<i>same acts</i>)	1, 600. 00	
(4) Two clerks, class 2 (increase of 1) (<i>same acts</i>)	2, 800. 00	
NOTE.—A new place is recommended in order to provide for the promotion of an assistant in charge of one of the sections of the library. This will make possible the promotion of 6 employees in the lower grades whose salaries are not commensurate with the services required and rendered. If this place is provided, it is proposed to drop an \$840 place.		
(5) Five clerks, class 1 (<i>same acts</i>)	6, 000. 00	
(6) Three clerks, at \$1,080 each (<i>same acts</i>)	3, 240. 00	
(7) Three clerks, at \$1,020 each (<i>same acts</i>)	3, 060. 00	
(8) Four clerks, at \$1,000 each (increase of 1 by transfer from lump fund) (<i>same acts</i>)	4, 000. 00	
(9) Six clerks, at \$900 each (<i>same acts</i>)	5, 400. 00	
(10) 【One clerk, \$840, omitted.】		
NOTE.—See note under item 4.		
(11) One junior library assistant, messenger, or messenger boy (<i>same acts</i>)	720. 00	
(12) One junior library assistant or messenger boy (<i>same acts</i>)	660. 00	
(13) Three junior library assistants or messenger boys, at \$600 each (<i>same acts</i>)	1, 800. 00	
(14) One messenger, messenger boy, or laborer (<i>same acts</i>)	480. 00	
(15) 【One messenger, messenger boy, or laborer, \$360, omitted.】		
NOTE.—It is proposed to drop this place, as the services of a messenger boy of this grade no longer will be needed.		
(16) Two charwomen, at \$480 each (<i>same acts</i>)	960. 00	
	\$34, 920. 00	\$31, 520. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Library, Department of Agriculture—Continued.</i>		
Appropriations for 1908..... \$15,880	Estimates for 1909..... \$18,080	
Appropriations for 1909..... 18,080	Estimates for 1910..... 20,160	
Appropriations for 1910..... 19,320	Estimates for 1911..... 19,920	
Appropriations for 1911..... 19,920	Estimates for 1912..... 23,000	
Appropriations for 1912..... 25,000	Estimates for 1913..... 27,650	
Appropriations for 1913..... 25,780	Estimates for 1914..... 29,520	
Appropriations for 1914..... 27,020	Estimates for 1915..... 27,860	
Appropriations for 1915..... 27,860	Estimates for 1916..... 29,720	
Appropriations for 1916..... 29,720	Estimates for 1917..... 31,520	
Appropriations for 1917..... 31,520	Estimates for 1918..... 34,920	
NOTE.—Apparent increase, \$3,400; actual increase, \$2,400, as follows:		
<i>Promotion.</i>		
1 librarian, from \$2,000 to \$2,400	\$400	
<i>New places.</i>		
1 assistant librarian	\$1,800	
1 clerk, class 2	1,400	
	3,200	
	3,600	
<i>Places dropped.</i>		
1 clerk	840	
1 messenger, messenger boy, or laborer	360	
	1,200	
Actual increase	2,400	
<i>Transfer from lump fund of this office, which fund has been correspondingly reduced.</i>		
1 clerk	1,000	
Apparent increase.....	3,400	
<i>General Expenses, Library—</i>		
(17) For books of reference, technical and scientific books, papers and periodicals, and for expenses incurred in completing imperfect series; for the employment of additional assistants in the city of Washington and elsewhere; for official traveling expenses, and for library fixtures, library cards, supplies, and for all other necessary expenses ["\$18,000"] \$27,000 (<i>R. S., pp. 87, 88, secs. 520 and 525, and act Aug. 11, 1916, vol. 39, p. 469, sec. 1</i>).....	\$27,000.00	\$18,000.00
NOTE.—There is an apparent increase in this item of \$9,000, but, taking into consideration the transfer to the statutory roll of 1 clerk at \$1,000, the actual increase is \$10,000. This sum will provide for the purchase of additional books and periodicals bearing on agriculture and related arts and sciences. The appropriations for the library have not kept pace with the rapid growth of the Department of Agriculture in recent years. In the fiscal year 1897, when the appropriation bill carried \$2,448,763.53, the appropriation for general expenses of the library was \$7,000. In 1910, with an appropriation of \$15,958,811.27, the appropriation for general expenses of the library was \$16,500. The appropriation bill for 1917 carries \$26,948,852, and the general expense appropriation for the library is \$18,000. The total appropriation of the department has thus increased elevenfold since 1897, while the general expense fund of the library has increased less than threefold during the past 20 years. The administrative expenses of the library must be borne from the general expense appropriation, and the purchase of books for the use of all the bureaus and offices of the department in Washington is by law restricted to this fund. The creation of new lines of work in the department greatly increases the demand for the purchase of suitable periodicals and books of reference. The organization in foreign countries of numerous new agencies for agricultural investigations makes it increasingly expensive for the library to keep track of the progress of investigations in this field.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Library—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Assistant in library science.....per annum..	\$1,320.00	1 (temp.)	..		
Assistant in library science.....do....	1,140.00	..	1 (temp.)		
Assistant in library science.....do....	1,000.00	..	1 (temp.)		
Charwoman and messenger boy, \$480 and \$360 *.....per annum.....	..	..	2		
Messenger boy and charwoman, \$480 and \$240.....per annum.....	..	1 (temp.)	1 (temp.)		
Salaries.....		\$700.00	\$1,643.33		
Other objects of expenditure:					
Stationery.....		200.00	156.96		
Equipment and material.....		26,050.00	14,432.55		
Miscellaneous items.....		50.00	31.20		
Total.....		27,000.00	16,264.04		
* Transferred to statutory roll in Agricultural act for 1917.					
Appropriations for 1908.....	\$12,500	Estimates for 1909.....	\$17,500		
Appropriations for 1909.....	15,500	Estimates for 1910.....	16,500		
Appropriations for 1910.....	16,500	Estimates for 1911.....	15,400		
Appropriations for 1911.....	15,400	Estimates for 1912.....	15,500		
Appropriations for 1912.....	15,500	Estimates for 1913.....	15,500		
Appropriations for 1913.....	15,500	Estimates for 1914.....	16,500		
Appropriations for 1914.....	16,500	Estimates for 1915.....	17,500		
Appropriations for 1915.....	17,500	Estimates for 1916.....	17,500		
Appropriations for 1916.....	16,300	Estimates for 1917.....	18,000		
Appropriations for 1917.....	18,000	Estimates for 1918.....	27,000		
Total for Library.....				\$61,920.00	\$49,520.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
MISCELLANEOUS EXPENSES.		
<i>Miscellaneous Expenses, Department of Agriculture—</i>		
(1) For stationery, blank books, twine, paper, gum, dry goods, soap, brushes, brooms, mats, oils, paints, glass, lumber, hardware, ice, fuel, water and gas pipes, heating apparatus, furniture, carpets, and matting; for lights, freight, express charges, advertising, telegraphing, telephoning, postage, washing towels, and necessary repairs and improvements to buildings and heating apparatus; for the purchase, subsistence, and care of horses and the purchase and repair of harness and vehicles, for official purposes only; for the payment of duties on imported articles, and the Department of Agriculture's proportionate share of the expense of the dispatch agent in New York; for official traveling expenses; and for other miscellaneous supplies and expenses not otherwise provided for, and necessary for the practical and efficient work of the department (<i>act Aug. 11, 1916, vol. 39, p. 469, sec. 1</i>)	\$122,500.00	\$122,500.00

Appropriations for 1908.....	\$47,000	Estimates for 1909.....	\$78,200
Appropriations for 1909.....	86,200	Estimates for 1910.....	70,000
Appropriations for 1910.....	80,000	Estimates for 1911.....	100,000
Appropriations for 1911.....	100,000	Estimates for 1912.....	110,000
Appropriations for 1912.....	110,000	Estimates for 1913.....	96,066
Appropriations for 1913.....	106,066	Estimates for 1914.....	106,066
Appropriations for 1914.....	106,066	Estimates for 1915.....	110,000
Appropriations for 1915.....	110,000	Estimates for 1916.....	115,000
Appropriations for 1916.....	115,000	Estimates for 1917.....	115,000
Appropriations for 1917.....	122,500	Estimates for 1918.....	122,500

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
U. S. dispatch agent..... per annum..	\$600.00	1	1
Salaries.....		\$600.00	\$600.00
Other objects of expenditure:			
Stationery.....		7,000.00	5,530.65
Traveling expenses.....		3,000.00	1,647.18
Equipment and material.....		90,800.00	78,651.40
Telegraph and telephone service.....		1,700.00	4,380.77
Miscellaneous items.....		19,400.00	21,500.24
Total.....		122,500.00	112,310.24

Statement of proposed expenditures from the above appropriation for Miscellaneous Expenses, Department of Agriculture, for the fiscal year ending June 30, 1918, for the maintenance, repair, and operation of horse-drawn passenger-carrying vehicles, as required by sec. 5 of the act of July 16, 1914 (38 Stat., p. 508).

Office.	Horse-drawn or motor-propelled.	Appropriation.	Maintenance, repair, and operation.			Public purpose for which intended.	Officials and employees by whom used.
			Num-ber.	Description.	Amount.		
Secretary's Office.	Horse-drawn..	{ Miscellaneous expenses, Department of Agriculture. }	1	Brougham.....	\$500	{ Personal transportation on official business. }	{ Secretary and Acting Secretary of Agriculture, Washington, D. C. }
			1	Victoria.....			
			1	Surrey.....			
			2	Carriages.....			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
RENT IN THE DISTRICT OF COLUMBIA.		
Rent of Buildings, Department of Agriculture—		
(1) For rent of buildings and parts of buildings in the District of Columbia, for use of the various bureaus, divisions, and offices of the Department of Agriculture [\$123,689] \$143,689 [: Provided, That the Secretary of Agriculture shall submit annually to Congress in his estimates of appropriations a statement showing what proportion of this appropriation is paid for the quarters occupied by the various branches of the department.] (Act Aug. 11, 1916, vol. 39, p. 469, sec. 1)	\$143,689.00	\$123,689.00
Appropriations for 1913..... \$95,329	Estimates for 1913..... \$95,329	
Appropriations for 1914..... 98,329	Estimates for 1914..... 95,329	
Appropriations for 1915..... 108,329	Estimates for 1915..... 115,829	
Appropriations for 1916..... 123,689	Estimates for 1916..... 123,689	
Appropriations for 1917..... 123,689	Estimates for 1917..... 123,689	
	Estimates for 1918..... 143,689	
<p>NOTE.—There is an increase of \$20,000 in this item. The steady growth of the department, involving increased appropriations and consequent increases in the personnel, makes it necessary to secure additional office and laboratory space. All department buildings, owned and rented, now are occupied to full capacity. It is highly desirable, for administrative reasons, to have the work of the department brought together in one group of buildings. At the present time the Forest Service occupies a rented building on F Street, which is nonfireproof and inadequate; and, in order to provide for the new work authorized under the grain-standards act, it has been necessary for the Bureau of Markets to rent quarters in a building on Pennsylvania Avenue, at great inconvenience and at a cost greatly in excess of that at which the space could be provided were it possible to rent an office building near the department. Some of the other bureaus, particularly the States Relations Service, the Biological Survey, and the Bureau of Chemistry, are crowded and in urgent need of additional space.</p> <p>If the \$20,000 increase recommended is allowed it will be possible to rent a modern fireproof office building near the department at a rate per square foot about one-third the rate asked by owners of office buildings in the business section of the city.</p>		
<p><i>Statement showing estimated amounts that will be paid from the appropriation for rent in the District of Columbia for the fiscal year 1917, for quarters occupied by the various branches of the department (38 Stat., p. 1108).</i></p>		
Office of Farm Management.....	\$2,950.00	
Forest Service.....	18,570.00	
Solicitor's Office.....	3,000.00	
Office of Markets and Rural Organization.....	4,860.00	
Bureau of Plant Industry.....	28,076.00	
Bureau of Chemistry.....	17,560.00	
Insecticide and Fungicide Board.....	3,000.00	
Office of Public Roads and Rural Engineering.....	9,644.00	
Bureau of Biological Survey.....	5,072.00	
Library, Department of Agriculture.....	5,072.00	
Division of Publications.....	6,536.00	
Bureau of Animal Industry.....	10,144.00	
States Relations Service.....	5,750.00	
Bureau of Soils.....	600.00	
Emergency rentals.....	2,855.00	
	123,689.00	
<p>NOTE.—For statement of buildings and parts of buildings in the District of Columbia rented by the Department of Agriculture, see also Appendix B, in the Book of Estimates and the last page of this book.</p>		

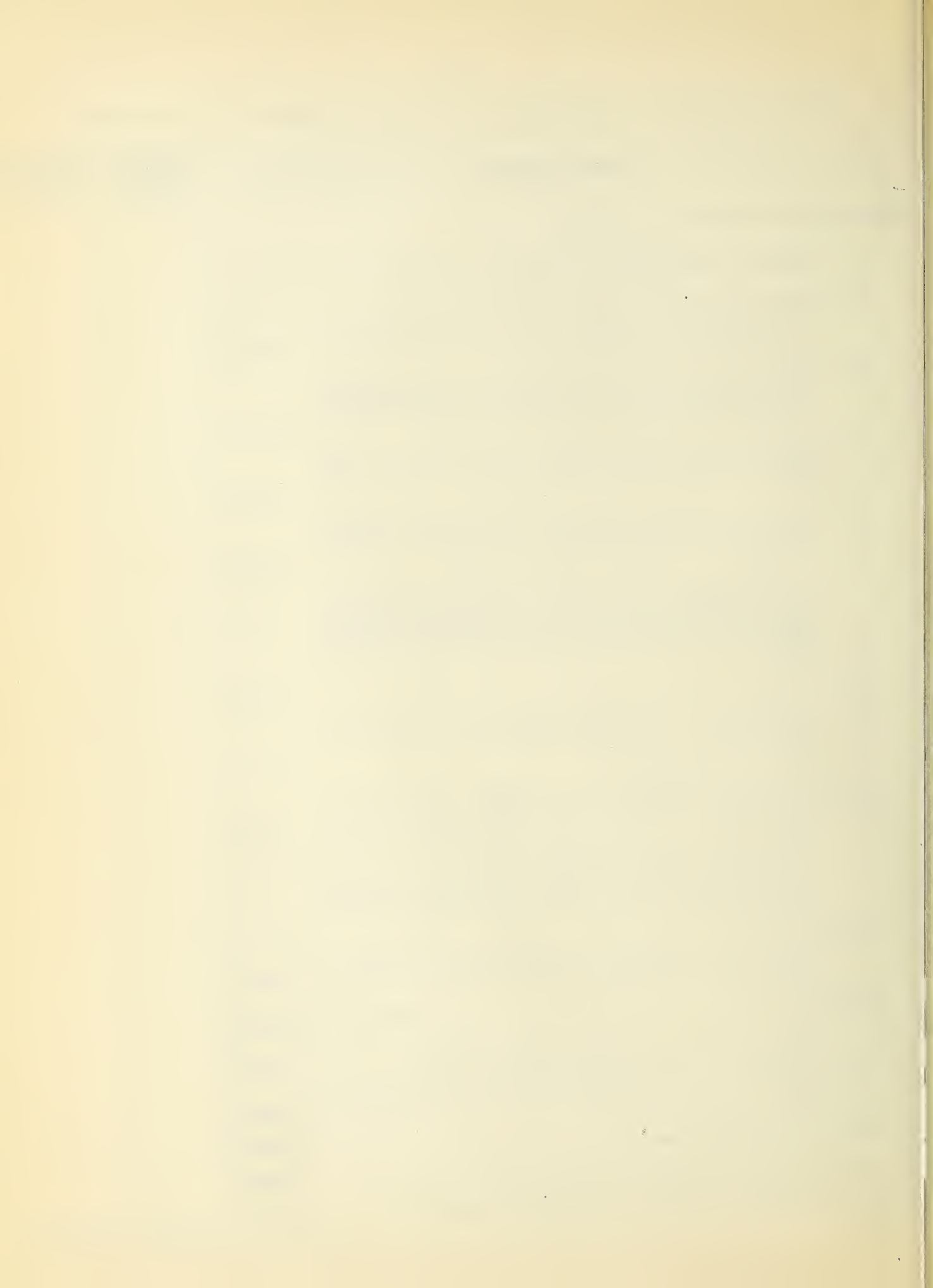
Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
STATES RELATIONS SERVICE.		
<i>Salaries, States Relations Service—</i>		
(1) One director (<i>R. S., p. 87, secs. 520, 523, and act Aug. 11, 1916, vol. 39, p. 470, sec. 1</i>)	\$4, 500. 00	
(2) One chief clerk (increase of \$280) (<i>same acts</i>)	2, 280. 00	
NOTE.—The present salary of the chief clerk is lower than that paid to employees occupying similar positions in several other bureaus of the department. The duties and responsibilities of this official have greatly increased since the reorganization of the service, although the salary has not been changed since 1911.		
(3) One financial clerk (increase of \$220) (<i>same acts</i>)	2, 220. 00	
NOTE.—The employee occupying this position has been in the department 16 years, being last promoted in 1910. His duties and responsibilities have greatly increased since the reorganization and enlargement of the work of this service.		
(4) One executive clerk (<i>submitted</i>)	2, 000. 00	
NOTE.—This new place will provide a promotion of \$200 for the employee who handles the financial records and performs other important duties in the administrative office of the Office of Extension Work in the South. He has served nearly 10 years in the department, without promotion since 1911. It will also permit the promotion of seven other deserving clerks in the lower grades.		
(5) One clerk or proof reader (<i>R. S., p. 87, secs. 520, 523, and act Aug. 11, 1916, vol. 39, p. 470, sec. 1</i>)	1, 800. 00	
(6) One clerk (in lieu of 1 clerk of class 4, with increase of \$200) (<i>same acts</i>)	2, 000. 00	
NOTE.—This place will provide a \$200 increase in the salary of the head clerk in the Office of Extension Work in the North and West. He is assigned to duties corresponding in importance with those performed by the employee referred to in the preceding note. This employee has been in the department for six years, being last promoted in 1912.		
(7) Two clerks, class 4 (decrease of 1 by change to 1 clerk at \$2,000) (<i>same acts</i>)	3, 600. 00	
NOTE.—See note under item 6.		
(8) Three clerks, class 3 (<i>same acts</i>)	4, 800. 00	
(9) One clerk (<i>same acts</i>)	1, 500. 00	
(10) Eleven clerks, class 2 (increase of 2, 1 by transfer from lump fund for farmers' cooperative demonstrations in North and West, and 1 in lieu of 2 clerks at \$720 each, with decrease of \$40) (<i>same acts</i>)	15, 400. 00	
NOTE.—This change involves the substitution of one clerk of class 2 for two clerks, at \$720 each, making a net decrease of \$40. This item will provide a promotion for the clerk in charge of the purchase of supplies and the custody of property. He has been 10 years in this department and was last promoted on September 12, 1914. Even with this increase the salary of this employee would be lower than that paid for similar services in other bureaus. This change also will make it possible to promote four other deserving clerks in the lower grades and to drop two clerks at \$720. It is increasingly difficult to secure and retain competent clerical help at this low salary.		



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, States Relations Service—Continued.</i>		
(11) Twenty-two clerks, class 1 (<i>R. S., p. 87, secs. 520, 523, and act Aug. 11, 1916, vol. 39, p. 470, sec. 1</i>)	\$26,400.00	
(12) Twenty-three clerks, at \$1,000 each (increase of 2 by transfer from lump fund for farmers' cooperative demonstrations in North and West) (<i>same acts</i>)	23,000.00	
(13) Twenty-seven clerks, at \$900 each (increase of 3, 2 by transfer from lump fund for farmers' cooperative demonstrations in North and West, and 1 by transfer from lump fund for farmers' cooperative demonstrations in South) (<i>same acts</i>)	24,300.00	
(14) Eight clerks, at \$840 each (increase of 1 by transfer from lump fund for farmers' cooperative demonstrations in South) (<i>same acts</i>)	6,720.00	
(15) Two clerks, at \$720 each (decrease of 3, 2 by change to 1 clerk of class 2, with decrease of \$40, and 1 by change to 1 messenger, messenger boy, or laborer at \$720) (<i>same acts</i>)	1,440.00	
NOTE.—Two clerks at \$720 are omitted, as explained in the note under item 10. It is proposed to change the title of one clerk at \$720 to "messenger, messenger boy, or laborer." As explained in a preceding note it is difficult to retain competent clerical help at this low salary, and this change in designation will make it possible to promote two messengers or laborers in the lower grades.		
(16) One library cataloguer (<i>same acts</i>)	900.00	
(17) 【One clerk or photographer, \$720, changed to one messenger, messenger boy, or laborer, \$720.】		
NOTE.—See note under item 18.		
(18) Two messengers, messenger boys, or laborers, at \$720 each (in lieu of 1 clerk at \$720 and 1 clerk or photographer at \$720) (<i>same acts</i>)	1,440.00	
NOTE.—These changes in designation are proposed because of the difficulty of obtaining competent clerical help at \$720, and in order to permit the promotion of two messengers or laborers from lower grades. See notes under items 10 and 15.		
(19) Four messengers, messenger boys, or laborers, at \$600 each (increase of 1 by transfer from lump fund for general administrative expenses) (<i>same acts</i>)	2,400.00	
(20) Ten messengers, messenger boys, or laborers, at \$480 each (<i>same acts</i>)	4,800.00	
(21) One messenger, messenger boy, or laborer (<i>same acts</i>)	360.00	
(22) Three messengers, messenger boys, or laborers, at \$300 each (<i>same acts</i>)	900.00	
(23) One skilled laborer (<i>same acts</i>)	900.00	
(24) Four laborers or charwomen, at \$480 each (<i>same acts</i>)	1,920.00	
(25) Nine laborers or charwomen, at \$240 each (<i>same acts</i>)	2,160.00	
	\$137,740.00	\$127,540.00



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, States Relations Service—Continued.</i>		
Appropriations for 1908..... \$31,220		
Appropriations for 1909..... 34,620		
Appropriations for 1910..... 39,260		
Appropriations for 1911..... 46,180		
Appropriations for 1912..... 56,500		
Appropriations for 1913..... 58,240		
Appropriations for 1914..... 66,160		
Appropriations for 1915..... 68,840		
Appropriations for 1916..... 103,140		
Appropriations for 1917..... 127,540		
Estimates for 1909..... \$34,620		
Estimates for 1910..... 39,480		
Estimates for 1911..... 46,180		
Estimates for 1912..... 56,500		
Estimates for 1913..... 59,840		
Estimates for 1914..... 66,740		
Estimates for 1915..... 68,840		
Estimates for 1916..... 103,140		
Estimates for 1917..... 127,700		
Estimates for 1918..... 137,740		
NOTE.—Apparent increase, \$10,200; actual increase, \$2,660, as follows:		
<i>Promotions.</i>		
1 chief clerk, from \$2,000 to \$2,280.....	\$280	
1 financial clerk, from \$2,000 to \$2,220.....	220	
1 clerk, class 4, to 1 clerk, \$2,000.....	200	
		\$700
<i>New places.</i>		
1 executive clerk.....	2,000	
1 clerk, class 2.....	1,400	
		3,400
<i>Places dropped.</i>		
2 clerks, at \$720 each.....		\$4,100
		1,440
		2,660
<i>Actual increase.....</i>		
<i>Transfers from lump funds of this service, which funds have been correspondingly reduced.</i>		
1 clerk, class 2, from farmers' cooperative demonstrations—North and West.....	\$1,400	
2 clerks, at \$1,000 each, from farmers' cooperative demonstrations—North and West.....	2,000	
3 clerks, at \$900 each, 2 from farmers' cooperative demonstrations—North and West, and 1 from farmers' cooperative demonstrations—South.....	2,700	
1 clerk, from farmers' cooperative demonstrations—South.....	840	
1 messenger, messenger boy, or laborer, from general administrative expenses.....	600	
		7,540
		10,200
<i>Apparent increase.....</i>		
<i>Change of title.</i>		
1 messenger, messenger boy, or laborer, \$720, in lieu of 1 clerk, \$720.		
1 messenger, messenger boy, or laborer, \$720, in lieu of 1 clerk or photographer, \$720.		
<i>General Expenses, States Relations Service—</i>		
(26) To carry into effect the provisions of an Act approved March second, eighteen hundred and eighty-seven, entitled "An Act to establish agricultural experiment stations in connection with the colleges established in the several States under the provisions of an Act approved July second, eighteen hundred and sixty-two, and of the Acts supplementary thereto," the sums apportioned to the several States and Territories, to be paid quarterly in advance (<i>acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1</i>).....		\$720,000.00
(27) To carry into effect the provisions of an Act approved March sixteenth, nineteen hundred and six, entitled "An Act to provide for an increased annual appropriation for agricultural experiment stations and regulating the expenditure thereof," the sums apportioned to the several States and Territories, to be paid quarterly in advance, \$720,000: <i>Provided</i> , That not to exceed \$15,000 shall be paid to each State and Territory under this Act (<i>acts Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1</i>).....		720,000.00



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																				
General Expenses, States Relations Service—Continued.																																																																																																																																						
(28) To enable the Secretary of Agriculture to enforce the provisions of the above Acts and the Act approved May eighth, nineteen hundred and fourteen, entitled "An Act to provide for cooperative agricultural extension work between the agricultural colleges in the several States receiving the benefits of an Act of Congress approved July second, eighteen hundred and sixty-two, and of Acts supplementary thereto, and the United States Department of Agriculture," relative to their administration and for the administration of agricultural experiment stations in Alaska, Hawaii, Porto Rico, and the island of Guam, including the employment of clerks, assistants, and other persons in the city of Washington and elsewhere, freight and express charges, official traveling expenses, office fixtures, supplies, apparatus, telegraph and telephone service, gas, electric current, and rent outside of the District of Columbia, [\$58,500] \$68,500; and the Secretary of Agriculture shall prescribe the form of the annual financial statement required under the above Acts, ascertain whether the expenditures are in accordance with their provisions, coordinate the work of the Department of Agriculture with that of the State agricultural colleges and experiment stations in the lines authorized in said Acts, and make report thereon to Congress (<i>acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1</i>) -----	\$68,500.00																																																																																																																																					
NOTE.—There is an increase in this item of \$10,000. This sum is needed in connection with the administration of the agricultural extension act. In view of the fact that the funds for this work from the Federal Government and the States will be increased automatically by \$1,000,000 next year, the amount required in connection with the inspection of the college extension work, accounts, preparation of reports, etc., should be correspondingly augmented. New language has been added so as clearly and specifically to authorize the payment of expenses in connection with the administration of the insular experiment stations from this item.																																																																																																																																						
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Agricultural chemist and chief.....per annum..</td><td>\$4,000.00</td><td>1</td><td>1</td></tr><tr><td>Agriculturist and assistant chief.....do....</td><td>3,500.00</td><td>1 (9 mos.)</td><td>..</td></tr><tr><td>Agricultural physicist.....do....</td><td>3,240.00</td><td>1 (3 mos.)</td><td>1 (4½ mos.)</td></tr><tr><td>Agriculturists.....do....</td><td>2,760.00</td><td>4 (3 for 9 mos.)</td><td>..</td></tr><tr><td>Agriculturists.....do....</td><td>2,520.00</td><td>2</td><td>..</td></tr><tr><td>Specialist in botany.....do....</td><td>3,240.00</td><td>1</td><td>1 (10½ mos.)</td></tr><tr><td>Scientific assistant.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>2,400.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistants.....do....</td><td>2,220.00</td><td>2</td><td>3 (1 temp.)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,980.00</td><td>3 (1 for 6 mos.)</td><td>4 (2 for 6 mos.)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,800.00</td><td>2</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>1,680.00</td><td>..</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>1,620.00</td><td>2</td><td>2</td></tr><tr><td>Scientific assistant.....do....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>1,380.00</td><td>1</td><td>1</td></tr><tr><td>Extension specialist.....do....</td><td>2,520.00</td><td>1</td><td>..</td></tr><tr><td>Extension specialist.....do....</td><td>2,400.00</td><td>1</td><td>..</td></tr><tr><td>Cooperative agent.....do....</td><td>1,200.00</td><td>..</td><td>1</td></tr><tr><td>Clerk*.....do....</td><td>900.00</td><td>..</td><td>1</td></tr><tr><td>Clerk.....do....</td><td>1,000.00</td><td>..</td><td>1 (6 mos.)</td></tr><tr><td>Clerks.....do....</td><td>900.00</td><td>3 (1 temp.)</td><td>..</td></tr><tr><td>Clerks.....do....</td><td>3.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Temporary labor.....do....</td><td>3.50</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$58,840.00</td><td>\$35,483.83</td></tr><tr><td>Wages.....</td><td></td><td></td><td>108.50</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>6,945.00</td><td>1,811.96</td></tr><tr><td>Equipment and material.....</td><td></td><td>775.00</td><td>467.09</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,940.00</td><td>901.57</td></tr><tr><td>Total.....</td><td></td><td>68,500.00</td><td>38,772.95</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:				Agricultural chemist and chief.....per annum..	\$4,000.00	1	1	Agriculturist and assistant chief.....do....	3,500.00	1 (9 mos.)	..	Agricultural physicist.....do....	3,240.00	1 (3 mos.)	1 (4½ mos.)	Agriculturists.....do....	2,760.00	4 (3 for 9 mos.)	..	Agriculturists.....do....	2,520.00	2	..	Specialist in botany.....do....	3,240.00	1	1 (10½ mos.)	Scientific assistant.....do....	3,000.00	1	1	Scientific assistants.....do....	2,400.00	2	2	Scientific assistants.....do....	2,220.00	2	3 (1 temp.)	Scientific assistants.....do....	1,980.00	3 (1 for 6 mos.)	4 (2 for 6 mos.)	Scientific assistants.....do....	1,800.00	2	1	Scientific assistant.....do....	1,680.00	..	1	Scientific assistants.....do....	1,620.00	2	2	Scientific assistant.....do....	1,500.00	1	1	Scientific assistant.....do....	1,380.00	1	1	Extension specialist.....do....	2,520.00	1	..	Extension specialist.....do....	2,400.00	1	..	Cooperative agent.....do....	1,200.00	..	1	Clerk*.....do....	900.00	..	1	Clerk.....do....	1,000.00	..	1 (6 mos.)	Clerks.....do....	900.00	3 (1 temp.)	..	Clerks.....do....	3.00	..	1 (temp.)	Wages:				Temporary labor.....do....	3.50	..	1	Salaries.....		\$58,840.00	\$35,483.83	Wages.....			108.50	Other objects of expenditure:				Traveling expenses.....		6,945.00	1,811.96	Equipment and material.....		775.00	467.09	Miscellaneous items.....		1,940.00	901.57	Total.....		68,500.00	38,772.95		
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* Transferred to statutory roll in Agricultural act for 1917.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, States Relations Service—Continued.</i>		
(29) For farmers' cooperative demonstration work outside of the cotton belt, including the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses ["\$478,240"] (acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1) -----		\$578,240.00

NOTE.—There is an apparent increase in the above appropriation of \$100,000, but, taking into consideration transfers to the statutory roll aggregating \$5,200, the actual increase is \$105,200. It is proposed to use this sum for the following purposes:

(a) To promote the more rapid and adequate development of the county-agent work in the Northern and Western States. At present only 470 out of 1,653 counties have agents. It is recognized that as extension funds increase under the extension act the efficiency of the work will depend largely upon county organization and the provision made for an agent in each county.

(b) To promote the more rapid development of boys' and girls' club work. The success of this work depends in a large measure upon paid local leadership. It is for this feature of the work that additional funds are needed. The boys' and girls' club work is believed to be one of the most effective forms of extension work, for aside from influencing the younger generation it arouses the interest of the parents.

(c) To extend the work in farm-management demonstrations. This type of work now forms an important feature of extension work in 26 of the Northern and Western States and in many ways is fundamental to the success of the county-agent activities. Farmers are being prevailed upon to keep definite farm records, which furnish a valuable source of information within the State and to the workers of the department.

(d) To develop the extension work among farm women. The demand for this work has grown so rapidly that the available funds are not sufficient to enable the department to cooperate with the counties which are ready to employ women agents.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
<i>Salaries:</i>			
Agriculturist and chief.....per annum..	\$3,720.00	<i>Number.</i>	<i>Number.</i>
Agriculturist and assistant chief.....do....	3,520.00	1	1
Agriculturists.....do....	3,240.00	1	1
Agriculturists.....do....	3,000.00	3	3
Agriculturist.....do....	2,760.00	1	1
Agriculturists.....do....	2,520.00	4	4
Agriculturist.....do....	2,400.00	1	1
Agriculturists.....do....	2,220.00	2	1
Agriculturist.....do....	2,000.00	..	1
Agriculturist.....do....	1,980.00	..	1
Agriculturist.....do....	1,860.00	1	1
Agriculturist.....do....	1,800.00	1	1
Agriculturist.....do....	1,680.00	1	..
Agriculturist.....do....	1,650.00	1	..
Agriculturist.....do....	1,600.00	1	1
Agriculturists.....do....	1,500.00	2	1
Agriculturist.....do....	1,400.00	..	1
Agriculturist.....do....	1,350.00	..	1
Agriculturists.....do....	1,300.00	2	2
Agriculturists.....do....	1,200.00	2	3
Agriculturists.....do....	1,100.00	2	2
Agriculturists, \$1,000 to \$1.....do....	..	17	11
Expert.....do....	2,500.00	1	..
Extension specialist.....do....	2,640.00	..	1 (2 mos.)
Extension specialists.....do....	2,400.00	3	2
Extension specialist.....do....	2,220.00	1	..
Extension specialist.....do....	1,680.00	..	1 (temp.)
Extension specialist.....do....	1,500.00	..	1 (temp.)
Scientific assistant.....do....	2,100.00	..	1
Scientific assistant.....do....	1,620.00	..	1
Scientific assistant.....do....	1,500.00	1	1
Scientific assistants.....do....	1,440.00	3	4
Scientific assistant.....do....	1,400.00	..	1
Scientific assistant.....do....	1,380.00	1	1
Scientific assistant.....do....	1,200.00	1	1
Scientific assistants, \$960 to \$540.....do....	..	4	3
Agents, under cooperative agreements with States, \$2,460 to \$120.....per annum	..	667	379

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.		Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, States Relations Service—Continued.</i>			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries—Continued.		<i>Number.</i>	<i>Number.</i>
Clerks, messenger boys, and charwomen, \$1,400 to \$240*.....per annum.....		9	9
Clerk**.....do.....	\$1,400.00	1	1
Clerks**.....do.....	1,000.00	2	2
Clerks**.....do.....	900.00	2	2
Clerks and messenger boys, \$1,200 to \$360.do.....		3	11 (temp.)
Collaborators, \$300 to \$1.....do.....		86	136 (2 temp.)
Wages:			
Skilled laborer*.....do.....	300.00		1
Miscellaneous and temporary labor—			
\$300.....do.....			3
\$4 and \$3.50.....per diem.....			3
Salaries.....		\$482,472.00	\$340,080.99
Wages.....			1,292.50
Other objects of expenditure:			
Stationery.....		9,000.00	5,390.72
Traveling expenses.....		71,010.00	33,091.16
Equipment and material.....		6,000.00	2,274.80
Miscellaneous items.....		9,758.00	2,279.00
Total.....		578,240.00	384,409.17

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

- (30) For farmers' cooperative demonstrations and for the study and demonstration of the best methods of meeting the ravages of the cotton-boll weevil, including the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses, **[\$661,300]** *\$659,560: Provided, That the expense of such service shall be defrayed from this appropriation and such cooperative funds as may be voluntarily contributed by State, county, and municipal agencies, associations of farmers, and individual farmers, universities, colleges, boards of trade, chambers of commerce, other local associations of business men, business organizations, and individuals within the State (acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1)*..... **\$659,560.00**

NOTE.—There is an apparent decrease in this item of \$1,740, due to the transfer of 1 clerk at \$900 and 1 clerk at \$840 to the statutory roll.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Agriculturist and chief.....per annum.	\$4,000.00	1	1
Agriculturist and assistant chief.....do.	3,500.00	1 (3 months).	1
Agriculturist.....do.	3,000.00	1	1
Agriculturists.....do.	2,760.00	3 (3 months).	4
Agriculturist.....do.	2,400.00	1	1
Extension specialists.....do.	2,400.00	10 (6 months).	1
Extension specialist.....do.	2,250.00	1	1
Extension specialists.....do.	1,800.00	2	1
Scientific assistant.....do.	1,800.00	1	1
Agent.....do.	2,580.00		1
Agents.....do.	2,200.00	3	3
Agent.....do.	2,080.00	1	1
Agents.....do.	2,000.00	2	2
Agent.....do.	1,980.00	1	1
Agent.....do.	1,900.00	1	1
Agents.....do.	1,800.00	6	6
Agent.....do.	1,750.00	1	1
Agents.....do.	1,680.00	5	9
Agent.....do.	1,620.00	1	1
Agent.....do.	1,600.00	1	1
Agents.....do.	1,500.00	9	9
Agent.....do.	1,400.00		1
Agents.....do.	1,380.00	2	2
Agent.....do.	1,350.00	1	
Agent.....do.	1,320.00	1	1
Agents.....do.	1,300.00	2	2
Agents.....do.	1,250.00	2	2
Agents.....do.	1,200.00	1	7

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, States Relations Service—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Agents, \$1,140 to \$12.....per annum.....		<i>Number.</i> 1,360 (399 for 6 mos.; 513 for 8 mos.)	<i>Number.</i> 1,179 (277 for 6 mos.; 432 for 8 mos.)		
Clerks and charwomen, \$1,600 to \$240*..do.....		7	1		
Clerk **.....do.....	\$900.00	1	1		
Clerks, \$1,000 to \$120 ***.....do.....		7	8		
Clerks, laboratory aid, and messenger boys: \$1,000 to \$480 per annum.....			8 (temp.)		
\$1.50 per diem.....			2 (temp.)		
Collaborators, \$300 to \$1.....per annum.....		46	158 (28 for 8 mos.)		
Wages:					
Laborers, \$1,000 and \$300.....do.....		5	6		
Miscellaneous temporary labor.....do.....	300.00	2	2		
per diem.....	3.50	1	1		
Salaries.....		\$545,147.00	\$545,840.17		
Wages.....		1,500.00	1,071.84		
Other objects of expenditure:					
Traveling expenses.....		101,563.00	104,011.43		
Miscellaneous items.....		11,350.00	13,384.46		
Total.....		659,560.00	664,307.90		

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

*** Employed in field in cooperation with State Agricultural colleges.

- (31) To enable the Secretary of Agriculture to investigate and report upon the organization and progress of farmers' institutes and agricultural schools in the several States and Territories, and upon similar organizations in foreign countries, with special suggestions of plans and methods for making such organizations more effective for the dissemination of the results of the work of the Department of Agriculture and the agricultural experiment stations, and of improved methods of agricultural practice, including the employment of labor in the city of Washington and elsewhere, and all other necessary expenses **["\$20,600"]** (acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1)..... \$26, 600. 00

NOTE.—There is an increase in this item of \$6,000, which it is planned to use as follows:

(a) For the extension of the work in agricultural education. Considerable progress has been made during the past year in systematizing publications and illustrative material intended to aid teachers of secondary and elementary agriculture, now being taught in about 5,000 secondary schools and a large and constantly increasing number of elementary schools. Better cooperation with the Bureau of Education, State departments of education and departments of agricultural education in the State colleges has been effected. To more nearly meet the demands of the work at least one additional assistant is needed to give his time to the study of the problems of visual instruction in agriculture and the preparation of illustrative material for use in agricultural schools. To accomplish the best results the employees engaged in educational work must be in personal touch with conditions and persons in the schools they are trying to help, and additional travel is essential in order to study the actual problems of the schools and to hold conferences with the leaders in agricultural education in different regions.

(b) In connection with the farmers' institute work, an additional assistant is needed to assist in the preparation of syllabi, lantern slides, brief courses, etc., dealing with animal husbandry and dairying subjects.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																								
<i>General Expenses, States Relations Service—Continued.</i>																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>(chief specialist.....per annum..</td><td>\$2,400.00</td><td>1</td><td>1</td></tr><tr><td>Specialists.....do.....</td><td>2,220.00</td><td>2</td><td>2</td></tr><tr><td>Specialist.....do.....</td><td>2,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,800.00</td><td>5</td><td>4</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,500.00</td><td>..</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,000.00</td><td>..</td><td>1</td></tr><tr><td>(clerk*.....do.....</td><td>900.00</td><td>..</td><td>1</td></tr><tr><td>Specialists, scientific assistants, clerks, messenger boys, watchmen and collaborators—\$600 to \$1.....per annum..</td><td></td><td>1 (temp.)</td><td>8 (7 temp.; 1 for 6 mos.)</td></tr><tr><td>\$7.50 and \$4.....per diem..</td><td></td><td>1 (temp.)</td><td>2 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$19,750.00</td><td>\$15,408.65</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>450.00</td><td>293.44</td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,750.00</td><td>2,707.15</td></tr><tr><td>Equipment and material.....</td><td></td><td>650.00</td><td>504.90</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,960.00</td><td>668.40</td></tr><tr><td>Total.....</td><td></td><td>26,600.00</td><td>19,582.54</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	(chief specialist.....per annum..	\$2,400.00	1	1	Specialists.....do.....	2,220.00	2	2	Specialist.....do.....	2,000.00	1	1	Scientific assistants.....do.....	1,800.00	5	4	Scientific assistant.....do.....	1,500.00	..	1	Scientific assistant.....do.....	1,000.00	..	1	(clerk*.....do.....	900.00	..	1	Specialists, scientific assistants, clerks, messenger boys, watchmen and collaborators—\$600 to \$1.....per annum..		1 (temp.)	8 (7 temp.; 1 for 6 mos.)	\$7.50 and \$4.....per diem..		1 (temp.)	2 (temp.)	Salaries.....		\$19,750.00	\$15,408.65	Other objects of expenditure:				Stationery.....		450.00	293.44	Traveling expenses.....		3,750.00	2,707.15	Equipment and material.....		650.00	504.90	Miscellaneous items.....		1,960.00	668.40	Total.....		26,600.00	19,582.54		
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* Transferred to statutory roll in Agricultural act for 1917.

- (32) To enable the Secretary of Agriculture to establish and maintain agricultural experiment stations in Alaska, Hawaii, Porto Rico, and the island of Guam, including the erection of buildings, the preparation, illustration, and distribution of reports and bulletins, and all other necessary expenses, **[\$143,000]** \$175,000, as follows: Alaska, **[\$48,000]** \$60,000, of which sum \$10,000 shall be immediately available for the location, equipment and maintenance of an agricultural experiment station in the Matanuska Valley; Hawaii, **[\$40,000]** \$50,000; Porto Rico, **[\$40,000]** \$50,000, of which sum \$10,000, or so much as is necessary, may be expended for the maintenance of a substation for experiments on the introduction and growing of tropical and other vegetables, fruits and fruit trees, and the packing and shipping of their products, in the event that the government of Porto Rico, either by itself or through individuals or organizations, provides for the station a tract of not less than fifty acres of suitable land, together with buildings acceptable to the Secretary of Agriculture; and Guam, \$15,000; and the Secretary of Agriculture is authorized to sell such products as are obtained on the land belonging to the agricultural experiment stations in Alaska, Hawaii, Porto Rico, and the island of Guam: *Provided*, That of the sum herein appropriated for the experiment station in Hawaii \$5,000 may be used in agricultural extension work in Hawaii (acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1) ----- \$175,000.00

NOTE.—There is an increase in this item of \$32,000, which it is proposed to use as follows:

(a) Twelve thousand dollars for the proper development and extension of the work now under way at the Alaska experiment station and for the establishment of a new station in the Matanuska Valley. The additional \$8,000 provided in the present appropriation act for the work of the Alaska stations is barely sufficient to compensate the stations for the loss of funds derived from sales of agricultural products which heretofore were available for expenditure in connection with the maintenance of the stations.

New language has been added to the paragraph providing \$10,000, to be immediately available, for the establishment and maintenance of an experiment station in the Matanuska Valley. A reconnaissance survey conducted by the Bureau of Soils shows there are over 1,200,000 acres of agricultural land in this valley and contiguous regions, much of which is believed to possess large agricultural possibilities, and the prospect of the early construction of the railway from Seward to Fairbanks has caused an influx of many settlers. The nearest

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																												
<i>General Expenses, States Relations Service—Continued.</i>																																																																														
<p>experiment station to this region is about 250 miles distant, and the results obtained there can not be applied in this newly opened territory, as a great diversity in both climate and soils exists in the two sections. The chairman of the Alaskan Railway Commission has strongly urged the establishment of this station, and a site near the junction of the Matanuska branch with the main line of the proposed Alaskan railway has been tentatively set aside for the purpose, pending the action of Congress in providing the necessary funds. It is estimated that at least \$10,000 will be required for the necessary buildings, clearing, fencing, and equipment of this station. The remaining \$2,000 will be needed in connection with work already under way at the Sitka station. It is planned to appoint a horticulturist at \$1,600 and to use \$400 for miscellaneous expenses in connection with the horticultural investigations at this station, where work of this character promises to yield valuable results.</p> <p>(b) Ten thousand dollars for the Hawaii experiment station. This amount is needed in order further to develop the extension work authorized by Congress and to investigate a number of serious problems of sugar cane and pineapples which confront the growers of these crops. Investigational work in the growing of coffee, especially with reference to disease control, also should be undertaken.</p> <p>(c) Ten thousand dollars for the Porto Rico experiment station. As indicated by the new language added to the paragraph, this amount is desired in order to establish and maintain a substation for the purpose of undertaking experiments with various tropical and other fruits and vegetables. The rapid development of fruit growing in Porto Rico and the increasing importance of vegetable culture make it very desirable that greater assistance be rendered the growers in the solution of their problems and cultivation methods, disease control, marketing, etc. The present station at Mayaguez is not suited to extensive work of this character on account of the heavy stiff clay soil. At the last session of Congress, the Senate adopted an amendment to the agricultural appropriation bill designed to set aside the sum of \$10,000 for the maintenance of a station for the introduction, propagation of, and experiment with tropical and other fruit trees, provided the Porto Rican government, either by itself or in cooperation with individuals, establishes the station on at least 50 acres of land. The Senate amendment was lost in conference and there is no provision for this work at present. In case favorable action is taken by the Porto Rican Legislature, which meets in January, the sum of \$10,000 should be made immediately available, in order to get the work started without delay.</p>																																																																														
<i>Agricultural experiment station, Alaska.</i>																																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="2"></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Agronomist in charge.....per annum..</td><td>\$3,500.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do....</td><td>2,520.00</td><td>4</td><td>3</td></tr><tr><td>Agent.....do....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Agent.....do....</td><td>1,680.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do....</td><td>1,500.00</td><td>3</td><td>..</td></tr><tr><td>Agent.....do....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do....</td><td>1,200.00</td><td>..</td><td>3 (1 temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Temporary laborers, \$7.50 to \$4.....per diem..</td><td></td><td>100</td><td>86</td></tr><tr><td colspan="2">Salaries.....</td><td>\$23,000.00</td><td>\$16,880.00</td></tr><tr><td colspan="2">Wages.....</td><td>14,600.00</td><td>11,749.90</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>2,000.00</td><td>951.21</td></tr><tr><td>Equipment and material.....</td><td></td><td>9,925.00</td><td>4,560.40</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>10,475.00</td><td>5,858.49</td></tr><tr><td>Total.....</td><td></td><td>60,000.00</td><td>40,000.00</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.			<i>Number.</i>	<i>Number.</i>	Salaries:				Agronomist in charge.....per annum..	\$3,500.00	1	1	Agents.....do....	2,520.00	4	3	Agent.....do....	1,800.00	1	..	Agent.....do....	1,680.00	1	1	Agents.....do....	1,500.00	3	..	Agent.....do....	1,440.00	1	1	Agents.....do....	1,200.00	..	3 (1 temp.)	Wages:				Temporary laborers, \$7.50 to \$4.....per diem..		100	86	Salaries.....		\$23,000.00	\$16,880.00	Wages.....		14,600.00	11,749.90	Other objects of expenditure:				Traveling expenses.....		2,000.00	951.21	Equipment and material.....		9,925.00	4,560.40	Miscellaneous items.....		10,475.00	5,858.49	Total.....		60,000.00	40,000.00		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																											
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, States Relations Service—Continued.</i>					
<i>Agricultural experiment station, Hawaii.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,500.00	1	1		
Agronomist.....do....	1,800.00	1	1 (5 mos.)		
Agronomist.....do....	1,320.00	1	1		
Horticulturist.....do....	2,400.00	1	1		
Horticulturist.....do....	2,220.00	1	1		
Horticulturist.....do....	1,200.00	1	1		
Plant pathologist.....do....	2,000.00	1	1		
Superintendent of extension work.....do....	1,920.00	1	1		
Assistants in extension work.....do....	1,500.00	2	..		
Chemist.....do....	1,800.00	1	..		
Scientific assistant.....do....	1,260.00	1	1 (7 mos.)		
Clerk.....do....	1,500.00	..	1		
Executive clerk.....do....	1,500.00	1	1		
Messenger.....do....	600.00	1	1		
Collaborators, \$300 and \$12.....do....	540.00	5	5		
Wages:					
Temporary laborers, \$2.50 to \$0.75....per diem..		60	45		
Salaries.....		\$23,512.00	\$16,946.17		
Wages.....		15,620.00	10,195.28		
Other objects of expenditure:					
Traveling expenses.....		2,600.00	1,697.57		
Equipment and material.....		3,730.00	2,366.12		
Miscellaneous items.....		4,535.00	3,794.86		
Total.....		50,000.00	35,000.00		
<i>Agricultural experiment station, Porto Rico.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,500.00	1	1		
Chemist.....do....	2,700.00	1	1		
Chemist.....do....	1,620.00	1	1		
Chemist.....do....	1,440.00	1	1		
Horticulturist.....do....	2,400.00	1	1		
Horticulturist.....do....	1,800.00	1	1		
Scientific assistants.....do....	1,500.00	2	2		
Assistant in extension work.....do....	2,500.00	1	..		
Assistant in extension work.....do....	2,000.00	1	..		
Assistant in extension work.....do....	1,200.00	1	..		
Assistants in extension work.....do....	600.00	2	..		
Clerk.....do....	1,440.00	1	1		
Wages:					
Temporary laborers, \$2.50 to \$0.75....per diem..		100	83		
Salaries.....		\$23,360.00	\$16,280.00		
Wages.....		13,600.00	8,230.62		
Other objects of expenditure:					
Traveling expenses.....		2,500.00	1,102.14		
Equipment and material.....		4,815.00	1,883.80		
Miscellaneous items.....		5,725.00	2,503.44		
Total.....		50,000.00	30,000.00		
<i>Agricultural experiment station, Guam.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$2,700.00	1	1		
Agent.....do....	2,000.00	1	1		
Agent.....do....	1,620.00	1	1		
Agent.....do....	1,200.00	1	..		
Wages:					
Temporary laborers, \$1 to \$0.35....per diem..		30	31		
Salaries.....		\$7,520.00	\$6,203.33		
Wages.....		4,000.00	4,532.12		
Other objects of expenditure:					
Traveling expenses.....		200.00	252.18		
Equipment and material.....		800.00	932.62		
Miscellaneous items.....		2,480.00	3,079.75		
Total.....		15,000.00	15,000.00		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

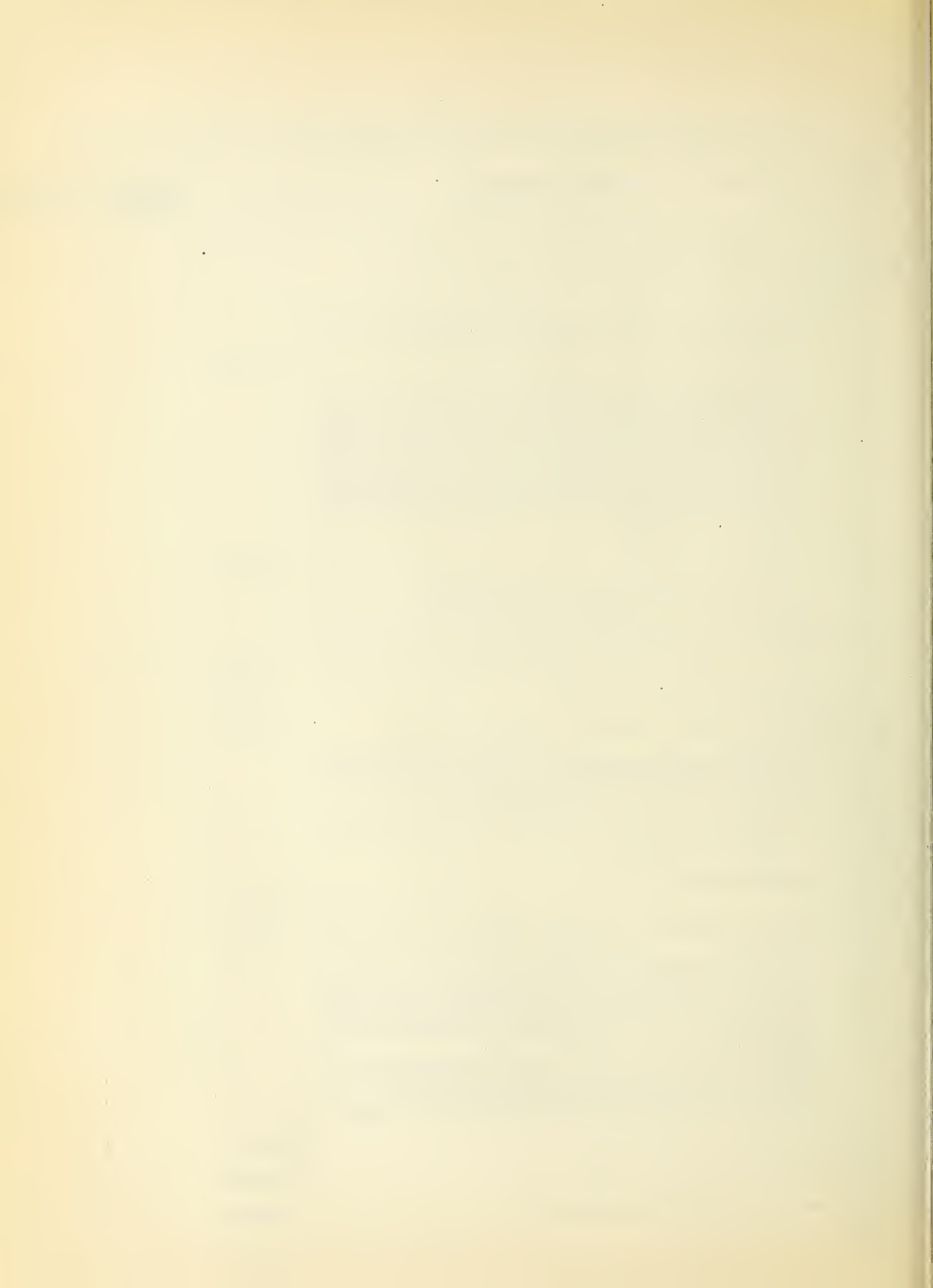
General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																								
General Expenses, States Relations Service—Continued.																																																																																										
(33) To enable the Secretary of Agriculture to investigate the relative utility and economy of agricultural products for food, clothing, and other uses in the home, with special suggestions of plans and methods for the more effective utilization of such products for these purposes, with the cooperation of other bureaus of the department, and to disseminate useful information on this subject, including the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses 【\$24,220】 (<i>acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1–10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372–374, sec. 1, and Aug. 11, 1916, vol. 39, pp. 470, 471, sec. 1</i>) -----	\$50,000.00																																																																																									
<p>NOTE.—There is an increase of \$25,780 in this item. The movement throughout the country in home economics has greatly developed in recent years under the stimulus imparted by the extension work. The amount of definite research work on these problems has been greatly restricted on account of lack of funds. The department still remains the principal organized agency for such research work. These researches, however, have been confined chiefly to subjects relating to food. There is a constantly growing demand for investigations along the other lines of home economics on a larger and more comprehensive scale. The demand for publications on these subjects has correspondingly increased. If this increase is allowed, it is proposed to apply it to an investigation of the following projects:</p> <p>Studies of home canning of meats, \$2,500; value in the diet of various preparations of macaroni, starches, etc., \$4,000; temperature of foods during cooking, \$3,000; household equipment and labor, \$5,000; care of metal and wooden utensils, furniture, floors, etc., \$3,000; textiles as used in the home, \$5,000; and collating and summarizing existing knowledge in the different branches of home economics for use in publications and extension work, \$3,280.</p>																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Chief home economics expert.....per annum..</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chief expert.....do.....</td><td>2,700.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,980.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,800.00</td><td>4 (1 temp.)</td><td>5 (3 temp.)</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,620.00</td><td>2</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,440.00</td><td>6</td><td>3</td></tr><tr><td>Scientific assistant.....do.....</td><td>900.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerks.....do.....</td><td>900.00</td><td>2</td><td>..</td></tr><tr><td>Clerks and charwoman, \$900 and \$480* per annum.</td><td>.....</td><td>..</td><td>3</td></tr><tr><td>Clerks, laboratory apprentices, and student assistants, \$720 to \$300.....per annum.....</td><td>.....</td><td>6</td><td>9 (3 temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Expert balance repairers.....per diem..</td><td>12.50</td><td>..</td><td>2 (temp.)</td></tr><tr><td colspan="2">Salaries.....</td><td>\$35,930.00</td><td>\$23,446.66</td></tr><tr><td colspan="2">Wages.....</td><td></td><td>25.00</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Stationery.....</td><td></td><td>750.00</td><td>226.68</td></tr><tr><td>Traveling expenses.....</td><td></td><td>1,500.00</td><td>521.95</td></tr><tr><td>Equipment and material.....</td><td></td><td>10,750.00</td><td>764.17</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,070.00</td><td>1,355.35</td></tr><tr><td>Total.....</td><td></td><td>50,000.00</td><td>26,339.81</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:				Chief home economics expert.....per annum..	\$3,000.00	1	1	Assistant chief expert.....do.....	2,700.00	1	1	Scientific assistant.....do.....	1,980.00	1	1	Scientific assistants.....do.....	1,800.00	4 (1 temp.)	5 (3 temp.)	Scientific assistants.....do.....	1,620.00	2	1	Scientific assistants.....do.....	1,440.00	6	3	Scientific assistant.....do.....	900.00	..	1 (temp.)	Clerks.....do.....	900.00	2	..	Clerks and charwoman, \$900 and \$480* per annum.	3	Clerks, laboratory apprentices, and student assistants, \$720 to \$300.....per annum.....	6	9 (3 temp.)	Wages:				Expert balance repairers.....per diem..	12.50	..	2 (temp.)	Salaries.....		\$35,930.00	\$23,446.66	Wages.....			25.00	Other objects of expenditure:				Stationery.....		750.00	226.68	Traveling expenses.....		1,500.00	521.95	Equipment and material.....		10,750.00	764.17	Miscellaneous items.....		1,070.00	1,355.35	Total.....		50,000.00	26,339.81		
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* Transferred to statutory roll in Agricultural act for 1917.																																																																																										
(34) For general administrative expenses connected with the lines of work of the States Relations Service, including the offices of the director, the chief clerk, the officers in charge of publications, library, accounts, records, supplies, and property, and for miscellaneous expenses incident thereto 【\$16,280】 (<i>same acts</i>) ---	20,000.00																																																																																									
<p>NOTE.—There is an apparent increase in this item of \$3,720, but taking into consideration the transfer to the statutory roll of one messenger boy at \$600, the actual increase is \$4,320. This additional sum is needed in order to provide for the employment of temporary help, for the increased business connected with publications and lantern slides, the more satisfactory handling of supplies, and for numerous other expenses incident to the development of the extension work.</p>																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, States Relations Service—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Agricultural physicist.....per annum	\$3,240.00	1 (9 mos.)	1 (7½ mos.)		
Specialist in botany.....do.	3,240.00	..	1 (1½ mos.)		
Scientific assistant.....do.	1,980.00	1 (6 mos.)	2 (6 mos.)		
Scientific assistant.....do.	1,800.00	1	1		
Scientific assistant.....do.	1,000.00	1	1 (9½ mos.)		
Clerks, messenger boys, and charwomen, \$1,400 to \$240*.....per annum		..	18 (1 for 10½ mos.; 1 for 5 mos.)		
Messenger boy**.....do.	600.00	..	1		
Clerks, messenger boys, and charwomen, \$1,000 to \$240 per annum.....		9 (6 temp.)	10 (9 temp.; 1 for 6 mos.)		
Wages:					
Miscellaneous and temporary labor—					
\$300 per annum.....		3	6		
\$4 to \$1.50 per diem.....		..	5		
Salaries.....		\$14,610.00	\$15,363.35		
Wages.....		225.00	409.50		
Other objects of expenditure:					
Stationery.....		2,000.00	1,744.68		
Traveling expenses.....		750.00	499.44		
Equipment and material.....		1,300.00	937.33		
Miscellaneous items.....		1,115.00	896.81		
Total.....		20,000.00	19,851.11		
* Transferred to statutory roll in Agricultural act for 1917.					
** Transferred to statutory roll in estimates for 1918.					
In all, for general expenses.....				\$3,017,900.00	\$2,842,140.00
Appropriations for 1908.....	\$827,000	Estimates for 1909.....	\$846,995		
Appropriations for 1909.....	843,000	Estimates for 1910.....	863,800		
Appropriations for 1910.....	863,800	Estimates for 1911.....	862,400		
Appropriations for 1911.....	862,400	Estimates for 1912.....	1,622,500 ¹		
Appropriations for 1912.....	1,592,500	Estimates for 1913.....	1,604,160		
Appropriations for 1913.....	1,599,160	Estimates for 1914.....	1,615,500		
Appropriations for 1914.....	1,613,500	Estimates for 1915.....	1,615,255		
Appropriations for 1915.....	1,633,500	Estimates for 1916.....	2,718,700 ²		
Appropriations for 1916.....	2,718,700	Estimates for 1917.....	2,754,140		
Appropriations for 1917.....	2,842,140	Estimates for 1918.....	3,017,900		
¹ Includes \$720,000 previously carried in the Adams Act for additional aid to State experiment stations.					
² Includes \$1,073,240 for farmers' cooperative demonstrations previously carried in Plant Bureau.					
<i>Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i>					
GENERAL EXPENSES, STATES RELATIONS SERVICE.					
1 clerk, \$1,600 per annum,					
3 clerks, at \$1,400 per annum each,					
5 clerks, at \$1,200 per annum each,					
11 clerks, at \$1,000 per annum each,					
28 clerks, at \$900 per annum each,					
9 clerks, at \$720 per annum each.					
Total for States Relations Service.....				3,155,640.00	2,969,680.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
OFFICE OF PUBLIC ROADS AND RURAL ENGINEERING.		
<i>Salaries, Office of Public Roads and Rural Engineering—</i>		
(1) One director, who shall be a scientist and have charge of all scientific and technical work (increase of \$500) (<i>R. S. p. 87, secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 882, sec. 1, and Aug. 11, 1916, vol. 39, p. 471, sec. 1</i>)	\$5,000.00	
NOTE.—The duties and responsibilities of the Director of the Office of Public Roads and Rural Engineering were greatly enlarged when the irrigation and drainage investigations were transferred from the States Relations Service and investigations pertaining to rural engineering were inaugurated. In addition, the regular activities of the Office of Public Roads have developed very rapidly within the past few years and more recently it has been charged with the administration of the Federal aid road act, approved July 11, 1916. The present director has been in the service of the department for nearly 17 years and received his last promotion on July 1, 1914. The increase recommended will make his salary comparable with that of other chiefs of bureaus having similar responsibilities.		
(2) One chief clerk (<i>submitted</i>)	2,500.00	
NOTE.—Since the estimates were submitted to the Secretary of the Treasury it has been decided to withdraw this recommendation.		
(3) One editor (by transfer from lump fund for road management) (<i>R. S., p. 87, secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 882, sec. 1, and Aug. 11, 1916, vol. 39, p. 471, sec. 1</i>)	2,500.00	
(4) One draftsman or clerk (<i>same acts</i>)	1,920.00	
(5) One clerk (in lieu of 1 chief clerk, at \$1,900) (<i>same acts</i>)	1,900.00	
NOTE.—This change is proposed in view of the fact that the present incumbent of the position is engaged entirely in the supervision of the financial and property records and the accounting work of the office.		
(6) 【One chief clerk, \$1,900, changed to one clerk at \$1,900.】		
NOTE.—See note under item 5.		
(7) One model maker (<i>same acts</i>)	1,800.00	
(8) One mechanic or clerk (in lieu of 1 clerk or instrument maker, at \$1,440, with increase of \$360) (<i>same acts</i>)	1,800.00	
NOTE.—This change is recommended in order to permit the promotion of one mechanic from \$1,680 to \$1,800 and one instrument maker from \$1,440 to \$1,680. The first-named employee is in charge of all the mechanical work of the office and designs apparatus and instruments used in the scientific and technical work. He has been in the department nearly 11 years and has had no promotion since July 1, 1911, although his work has largely increased during this period.		
The instrument maker at \$1,440 is in charge of the machine shops and is required to keep in repair a great variety of scientific instruments and apparatus. He has served nearly four years and was last promoted July 16, 1914.		
The change in title from instrument maker to mechanic is recommended in order to more accurately indicate the character of the work performed.		
(9) Two clerks, class 4 (<i>same acts</i>)	3,600.00	
(10) Five clerks, class 3 (<i>same acts</i>)	8,000.00	
(11) One clerk or editorial clerk (<i>same acts</i>)	1,600.00	
(12) One clerk (<i>same acts</i>)	1,500.00	



Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of Public Roads and Rural Engineering—Continued.</i>		
(13) One clerk or photographer (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 882, sec. 1, and Aug. 11, 1916, vol. 39, p. 471, sec. 1)	\$1, 440. 00	
(14) One clerk or instrument maker, \$1,440, changed to one mechanic or clerk, \$1,800.		
NOTE.—See note under item 8.		
(15) One clerk or tabulator (<i>same acts</i>)	1, 440. 00	
(16) One clerk, class 2 (<i>same acts</i>)	1, 400. 00	
(17) One clerk (<i>same acts</i>)	1, 380. 00	
(18) Two clerks, at \$1,320 each (<i>same acts</i>)	2, 640. 00	
(19) Four clerks, at \$1,260 each (<i>same acts</i>)	5, 040. 00	
(20) Six clerks, class 1 (<i>same acts</i>)	7, 200. 00	
(21) One clerk or editorial clerk (<i>same acts</i>)	1, 200. 00	
(22) One draftsman (<i>same acts</i>)	1, 320. 00	
(23) One clerk or draftsman (<i>same acts</i>)	1, 200. 00	
(24) One clerk or draftsman (<i>same acts</i>)	900. 00	
(25) One clerk or photographer (<i>same acts</i>)	1, 200. 00	
(26) One clerk or photographer (<i>same acts</i>)	1, 000. 00	
(27) Two clerks, at \$1,140 each (<i>same acts</i>)	2, 280. 00	
(28) Two clerks, at \$1,080 each (<i>same acts</i>)	2, 160. 00	
(29) One clerk (<i>same acts</i>)	1, 020. 00	
(30) Eight clerks, at \$1,000 each (increase of 1 by transfer from lump fund for investigating road building and maintenance) (<i>same acts</i>)	8, 000. 00	
(31) One clerk or skilled laborer (<i>same acts</i>)	1, 000. 00	
(32) Three clerks, at \$900 each (<i>same acts</i>)	2, 700. 00	
(33) One mechanic (<i>same acts</i>)	1, 680. 00	
(34) One clerk or instrument maker (<i>same acts</i>)	1, 200. 00	
(35) One lantern slide colorist (<i>same acts</i>)	1, 320. 00	
(36) One mechanic (<i>same acts</i>)	1, 200. 00	
(37) One carpenter (<i>same acts</i>)	1, 200. 00	
(38) One laboratory aid (by transfer from lump fund for road material) (<i>same acts</i>)	960. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Office of Public Roads and Rural Engineering—Continued.</i>		
(39) One messenger, laborer, or laboratory helper (<i>R. S., p. 87, secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 882, sec. 1, and Aug. 11, 1916, vol. 39, p. 471, sec. 1</i>)	\$840. 00	
(40) One messenger or laborer (<i>same acts</i>)	840. 00	
(41) Two messengers, laborers, or laboratory helpers, at \$720 each (<i>same acts</i>)	1, 440. 00	
(42) Two messengers or laborers, at \$660 each (<i>same acts</i>)	1, 320. 00	
(43) Six messengers, laborers, or messenger boys, at \$600 each (increase of 1 by transfer from lump fund for road material) (<i>same acts</i>)	3, 600. 00	
(44) One skilled laborer (by transfer from lump fund for farm drainage) (<i>same acts</i>)	720. 00	
(45) One fireman (by transfer from lump fund for farm irrigation) (<i>same acts</i>)	720. 00	
(46) Seven laborers, messenger boys, or charwomen, at \$480 each (<i>same acts</i>)	3, 360. 00	
(47) Seven charwomen, at \$240 each (increase of 2 by transfer from lump funds for farm irrigation and farm drainage) (<i>same acts</i>) ..	1, 680. 00	
	\$98, 720. 00	\$88, 380. 00
Appropriations for 1908..... \$12, 390 Estimates for 1909..... \$15, 240		
Appropriations for 1909..... 12, 390 Estimates for 1910..... 16, 210		
Appropriations for 1910..... 16, 460 Estimates for 1911..... 21, 260		
Appropriations for 1911..... 21, 260 Estimates for 1912..... 34, 060		
Appropriations for 1912..... 34, 020 Estimates for 1913..... 37, 940		
Appropriations for 1913..... 37, 020 Estimates for 1914..... 54, 400		
Appropriations for 1914..... 47, 400 Estimates for 1915..... 53, 000		
Appropriations for 1915..... 52, 500 Estimates for 1916..... 75, 960		
Appropriations for 1916..... 75, 960 Estimates for 1917..... 88, 880		
Appropriations for 1917..... 88, 380 Estimates for 1918..... 98, 720		
NOTE.—Apparent increase, \$10,340; actual increase, \$3,360; as follows:		
<i>Promotions.</i>		
1 director, from \$4,500 to \$5,000.....	\$500	
<i>New places.</i>		
1 chief clerk ¹	\$2, 500	
1 mechanic or clerk.....	1, 800	
	4, 300	
	4, 800	
<i>Place dropped.</i>		
1 clerk or instrument maker.....	1, 440	
Actual increase.....	3, 360	
<i>Transfers from lump funds of this office, which funds have been correspondingly reduced.</i>		
1 editor, from road management.....	2, 500	
1 clerk, from road building and maintenance.....	1, 000	
1 laboratory aid, from road material.....	960	
1 messenger, laborer, or messenger boy, from road material.....	600	
1 skilled laborer from farm drainage.....	720	
1 fireman, from farm irrigation.....	720	
2 charwomen, at \$240 each, from farm irrigation and farm drainage....	480	
	6, 980	
Apparent increase.....	10, 340	
<i>Change of title.</i>		
1 clerk, \$1,900, in lieu of 1 chief clerk, \$1,900.		
¹ NOTE.—Since the estimates were submitted it has been decided to withdraw this recommendation.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	
<i>General Expenses, Office of Public Roads and Rural Engineering—</i>			
(48) For salaries and the employment of labor in the city of Washington and elsewhere, supplies, office fixtures, apparatus, traveling and all other necessary expenses, for conducting investigations and experiments, and for collating, reporting, and illustrating the results of same, and for preparing, publishing, and distributing bulletins and reports, as follows: <i>Provided</i> , That no part of these appropriations shall be expended for the rent or purchase of road-making machinery, except such as may be necessary for field experimental work as hereinafter provided for (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1</i>):			
(49) For inquiries in regard to systems of road management throughout the United States and for giving expert advice on this subject ["\$39,540"] (<i>same acts</i>)	\$41,040.00		
NOTE.—There is an apparent increase of \$1,500 in this item, but, taking into consideration the transfer to the statutory roll of an editor at \$2,500, the actual increase is \$4,000. This increase will be used for the study of State highway systems, including the organization and operation of State highway departments, the methods pursued, the results obtained in the laying out of State highway systems, the service rendered by the State highways in proportion to their cost, and the obtaining of other related information which may be of service to the Federal Government in connection with the Federal aid road act and to the States in the working out of an economically sound highway system.			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chief of road economics.....per annum..	\$3,500.00	1	1
Assistant in road economics.....do....	2,500.00	1	1
Assistant in road economics.....do....	2,040.00	1	1
Assistant in road economics.....do....	1,920.00	1	1
Assistant in road economics.....do....	1,740.00	1	1
Senior highway engineer.....do....	3,000.00	1	1 (1 mo.)
Senior highway engineers.....do....	2,500.00	2	1 (8 mos.)
Senior highway engineer.....do....	2,220.00	..	1 (9 mos.)
Highway engineer.....do....	2,100.00	..	1 (temp.)
Highway engineers.....do....	2,000.00	2	2
Highway engineer.....do....	1,800.00	1	1
Highway engineers.....do....	1,740.00	2	..
Highway engineer.....do....	1,500.00	..	1 (8 mos.)
Junior highway engineer.....do....	1,320.00	..	1 (3 mos.)
Superintendent of road construction.....do....	1,320.00	..	1 (5½ mos.)
Agent.....do....	2,100.00	1	1
Model maker, clerks, lantern slide colorist, and charwomen, \$1,800 to \$480 *.....per annum..	1,200.00	..	5 (1 for 6 mos.)
Agents, highway engineers, collaborators, student assistant, and superintendent of road construction \$600 to \$12 per annum.....	..	3	4 (1 temp.)
and superintendent \$7.50 to \$1 per diem.....	..	82 (temp.)	124 (temp.)
Wages:			
Unskilled laborer *.....per annum..	660.00	..	1
Skilled laborer **.....do....	1,000.00	..	1 (5½ mos.)
Salaries.....		\$31,800.00	\$31,245.64
Wages.....			1,660.00
Other objects of expenditure:			
Stationery.....		452.00	598.72
Traveling expenses.....		7,000.00	7,113.57
Equipment and material.....		738.00	863.71
Miscellaneous items.....		1,050.00	924.73
Total.....		41,040.00	42,406.37

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																												
<i>General Expenses, Office of Public Roads and Rural Engineering—Continued.</i>																																																																																																																																																														
(50) For investigations of the best methods of road making, especially ordinary sand-clay and dirt roads, and the best kinds of road-making materials, and for furnishing expert advice on road building and maintenance [\$142,780] (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1</i>) - - \$141,780.00																																																																																																																																																														
NOTE.—There is an apparent decrease in this item of \$1,000, due to the transfer to the statutory roll of one clerk at \$1,000.																																																																																																																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="4"><i>Salaries:</i></td></tr><tr><td>Assistant director.....per annum..</td><td>\$4,000.00</td><td><i>Number.</i> 1 (3 mos.)</td><td><i>Number.</i> 1 (3 mos.)</td></tr><tr><td>Chief of construction.....do....</td><td>3,500.00</td><td>1</td><td>1 (11 mos.)</td></tr><tr><td>Bridge engineer.....do....</td><td>3,300.00</td><td>1</td><td>1</td></tr><tr><td>Highway bridge engineer.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Chief of maintenance.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Chief, national park and forest roads.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Senior highway engineer.....do....</td><td>3,000.00</td><td>1</td><td>1 (9 mos.)</td></tr><tr><td>Senior highway engineers.....do....</td><td>2,700.00</td><td>4</td><td>5</td></tr><tr><td>Senior highway engineers.....do....</td><td>2,500.00</td><td>4</td><td>5 (1 for 4 mos.; 1 for 9 mos.)</td></tr><tr><td>Senior highway engineers.....do....</td><td>2,400.00</td><td>4</td><td>2</td></tr><tr><td>Senior highway engineers.....do....</td><td>2,250.00</td><td>2</td><td>2</td></tr><tr><td>Senior highway engineers.....do....</td><td>2,220.00</td><td>4</td><td>10 (1 for 8½ mos.; 1 for 3 mos.)</td></tr><tr><td>Highway engineers.....do....</td><td>2,000.00</td><td>2</td><td>2</td></tr><tr><td>Highway engineers.....do....</td><td>1,800.00</td><td>3</td><td>3</td></tr><tr><td>Highway engineer.....do....</td><td>{ 1,680.00 1,600.00 }</td><td>{ 1 1 }</td><td>1</td></tr><tr><td>Highway engineers.....do....</td><td>1,500.00</td><td>2</td><td>5 (1 for 11 mos.)</td></tr><tr><td>Highway engineer.....do....</td><td>1,320.00</td><td>..</td><td>1 (4 mos.)</td></tr><tr><td>Junior highway engineers.....do....</td><td>1,440.00</td><td>3</td><td>3</td></tr><tr><td>Junior highway engineers.....do....</td><td>1,320.00</td><td>1</td><td>5 (1 for 9 mos.)</td></tr><tr><td>Junior highway engineers.....do....</td><td>1,200.00</td><td>4</td><td>4</td></tr><tr><td>Junior highway engineers.....do....</td><td>1,080.00</td><td>3</td><td>4</td></tr><tr><td>Junior highway engineers.....do....</td><td>960.00</td><td>2</td><td>8 (1 for 6½ mos.; 1 for 7½ mos.; 1 for 11 mos.; 1 temp.)</td></tr><tr><td>Superintendent of road construction.....do....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Superintendent of road construction.....do....</td><td>2,100.00</td><td>1</td><td>1 (6½ mos.)</td></tr><tr><td>Engineer-draftsman.....do....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Draftsman and clerk, \$1,320 and \$900 * ..do....</td><td>..</td><td>..</td><td>2 (1 for 6 mos.)</td></tr><tr><td>Clerk, engineer assistant, collaborators, senior highway engineers, and superintendents of road construction.....</td><td>\$900 to \$300 per annum \$9 to \$4.90 per diem</td><td>5 13 (temp.)</td><td>2 (temp.) 14 (temp.)</td></tr><tr><td colspan="4"><i>Wages:</i></td></tr><tr><td>Skilled laborer.....per annum..</td><td>1,000.00</td><td>..</td><td>1 (6½ mos.)</td></tr><tr><td>Temporary labor.....per diem..</td><td>2.00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$110,400.00</td><td>\$110,287.57</td></tr><tr><td>Wages.....</td><td></td><td></td><td>613.67</td></tr><tr><td colspan="4"><i>Other objects of expenditure:</i></td></tr><tr><td>Traveling expenses.....</td><td></td><td>29,050.00</td><td>31,158.61</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,000.00</td><td>768.80</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,330.00</td><td>1,216.25</td></tr><tr><td>Total.....</td><td></td><td>141,780.00</td><td>144,044.90</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	<i>Salaries:</i>				Assistant director.....per annum..	\$4,000.00	<i>Number.</i> 1 (3 mos.)	<i>Number.</i> 1 (3 mos.)	Chief of construction.....do....	3,500.00	1	1 (11 mos.)	Bridge engineer.....do....	3,300.00	1	1	Highway bridge engineer.....do....	1,800.00	1	1	Chief of maintenance.....do....	3,000.00	1	1	Chief, national park and forest roads.....do....	3,000.00	1	1	Senior highway engineer.....do....	3,000.00	1	1 (9 mos.)	Senior highway engineers.....do....	2,700.00	4	5	Senior highway engineers.....do....	2,500.00	4	5 (1 for 4 mos.; 1 for 9 mos.)	Senior highway engineers.....do....	2,400.00	4	2	Senior highway engineers.....do....	2,250.00	2	2	Senior highway engineers.....do....	2,220.00	4	10 (1 for 8½ mos.; 1 for 3 mos.)	Highway engineers.....do....	2,000.00	2	2	Highway engineers.....do....	1,800.00	3	3	Highway engineer.....do....	{ 1,680.00 1,600.00 }	{ 1 1 }	1	Highway engineers.....do....	1,500.00	2	5 (1 for 11 mos.)	Highway engineer.....do....	1,320.00	..	1 (4 mos.)	Junior highway engineers.....do....	1,440.00	3	3	Junior highway engineers.....do....	1,320.00	1	5 (1 for 9 mos.)	Junior highway engineers.....do....	1,200.00	4	4	Junior highway engineers.....do....	1,080.00	3	4	Junior highway engineers.....do....	960.00	2	8 (1 for 6½ mos.; 1 for 7½ mos.; 1 for 11 mos.; 1 temp.)	Superintendent of road construction.....do....	2,400.00	1	1	Superintendent of road construction.....do....	2,100.00	1	1 (6½ mos.)	Engineer-draftsman.....do....	1,600.00	1	1	Draftsman and clerk, \$1,320 and \$900 * ..do....	2 (1 for 6 mos.)	Clerk, engineer assistant, collaborators, senior highway engineers, and superintendents of road construction.....	\$900 to \$300 per annum \$9 to \$4.90 per diem	5 13 (temp.)	2 (temp.) 14 (temp.)	<i>Wages:</i>				Skilled laborer.....per annum..	1,000.00	..	1 (6½ mos.)	Temporary labor.....per diem..	2.00	..	1	Salaries.....		\$110,400.00	\$110,287.57	Wages.....			613.67	<i>Other objects of expenditure:</i>				Traveling expenses.....		29,050.00	31,158.61	Equipment and material.....		1,000.00	768.80	Miscellaneous items.....		1,330.00	1,216.25	Total.....		141,780.00	144,044.90		
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* Transferred to statutory roll in Agricultural act for 1917.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																				
<i>General Expenses, Office of Public Roads and Rural Engineering—Continued.</i>																																																																																																																						
(51) For investigations of the chemical and physical character of road materials 【\$37,780】 (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1</i>) -----	\$51, 220. 00																																																																																																																					
NOTE.—There is an apparent increase in this item of \$13,440, but, taking into consideration transfers to the statutory roll, aggregating \$1,560, the actual increase is \$15,000. During the fiscal year 1916 the routine laboratory work under this item increased 40 per cent over the previous year, and it is estimated that the work will expand at even a greater rate during the coming fiscal year by reason of the increased activities of the office incident to the administration of the Federal-aid road act. It is also desired to extend the investigations of the effect of manufacturing processes on the characteristics of bituminous road materials; the suitability of gravel, sand, clay, and soils for the construction of bituminous roads; the theory and development of economical designs of concrete roads; and the standardization of methods for testing all types of road materials.																																																																																																																						
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chemical engineer.....per annum..</td><td>\$3, 600. 00</td><td>1</td><td>1</td></tr><tr><td>Mechanical engineer.....do....</td><td>3, 500. 00</td><td>1</td><td>1 (11 mos.)</td></tr><tr><td>Engineer of tests.....do....</td><td>3, 250. 00</td><td>1</td><td>1 (8 mos.)</td></tr><tr><td>Assistant mechanical engineer.....do....</td><td>2, 400. 00</td><td>1</td><td>1</td></tr><tr><td>Chemist.....do....</td><td>2, 640. 00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>2, 400. 00</td><td>1</td><td></td></tr><tr><td>Assistant chemists.....do....</td><td>2, 000. 00</td><td>2</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>1, 500. 00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>1, 400. 00</td><td rowspan="2">1</td><td rowspan="2">1</td></tr><tr><td>Assistant chemist.....do....</td><td>1, 200. 00</td></tr><tr><td>Assistant testing engineer.....do....</td><td>1, 800. 00</td><td rowspan="2">1</td><td rowspan="2">1</td></tr><tr><td>Assistant testing engineer.....do....</td><td>1, 600. 00</td></tr><tr><td>Assistant testing engineer.....do....</td><td>1, 400. 00</td><td>1</td><td></td></tr><tr><td>Petrographer.....do....</td><td>1, 600. 00</td><td>1</td><td>1</td></tr><tr><td>Carpenter and charwoman, \$1,200 and \$240*, per annum.....</td><td></td><td></td><td>2</td></tr><tr><td>Laboratory aid**.....per annum..</td><td>960. 00</td><td></td><td>1</td></tr><tr><td>Laboratory assistants, laboratory apprentices, student assistants, and elevator conductors, \$750 to \$300.....per annum..</td><td></td><td>11</td><td>14 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Unskilled laborer**.....do....</td><td>600. 00</td><td></td><td>1</td></tr><tr><td>Miscellaneous and temporary labor.....per month..</td><td>50. 00</td><td>3</td><td></td></tr><tr><td>.....per diem...</td><td>1. 50</td><td></td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$36, 360. 00</td><td>\$25, 964. 44</td></tr><tr><td>Wages.....</td><td></td><td>1, 800. 00</td><td>514. 00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>3, 210. 00</td><td>1, 745. 02</td></tr><tr><td>Equipment and material.....</td><td></td><td>8, 430. 00</td><td>5, 268. 40</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1, 420. 00</td><td>1, 234. 25</td></tr><tr><td>Total.....</td><td></td><td>51, 220. 00</td><td>34, 726. 11</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Chemical engineer.....per annum..	\$3, 600. 00	1	1	Mechanical engineer.....do....	3, 500. 00	1	1 (11 mos.)	Engineer of tests.....do....	3, 250. 00	1	1 (8 mos.)	Assistant mechanical engineer.....do....	2, 400. 00	1	1	Chemist.....do....	2, 640. 00	1	1	Assistant chemist.....do....	2, 400. 00	1		Assistant chemists.....do....	2, 000. 00	2	1	Assistant chemist.....do....	1, 500. 00	1	1	Assistant chemist.....do....	1, 400. 00	1	1	Assistant chemist.....do....	1, 200. 00	Assistant testing engineer.....do....	1, 800. 00	1	1	Assistant testing engineer.....do....	1, 600. 00	Assistant testing engineer.....do....	1, 400. 00	1		Petrographer.....do....	1, 600. 00	1	1	Carpenter and charwoman, \$1,200 and \$240*, per annum.....			2	Laboratory aid**.....per annum..	960. 00		1	Laboratory assistants, laboratory apprentices, student assistants, and elevator conductors, \$750 to \$300.....per annum..		11	14 (temp.)	Wages:				Unskilled laborer**.....do....	600. 00		1	Miscellaneous and temporary labor.....per month..	50. 00	3	per diem...	1. 50		1	Salaries.....		\$36, 360. 00	\$25, 964. 44	Wages.....		1, 800. 00	514. 00	Other objects of expenditure:				Traveling expenses.....		3, 210. 00	1, 745. 02	Equipment and material.....		8, 430. 00	5, 268. 40	Miscellaneous items.....		1, 420. 00	1, 234. 25	Total.....		51, 220. 00	34, 726. 11		
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* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																				
General Expenses, Office of Public Roads and Rural Engineering—Continued.																																																																																																						
(52) For conducting field experiments and various methods of road construction and maintenance, and investigations concerning various road materials and preparations; for investigating and developing equipment intended for the preparation and application of bituminous and other binders; for the purchase of materials and equipment; for the employment of assistants and labor; for the erection of buildings; such experimental work to be confined as nearly as possible to one point during the fiscal year (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1</i>) -----	\$60,000.00																																																																																																					
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chief of construction.....per annum..</td><td>\$3,500.00</td><td>..</td><td>1 (1 mo.)</td></tr><tr><td>Engineer of tests.....do.....</td><td>3,250.00</td><td>..</td><td>1 (2 mos.)</td></tr><tr><td>Chief of maintenance.....do.....</td><td>3,000.00</td><td>..</td><td>1 (1 mo.)</td></tr><tr><td>Senior highway engineer.....do.....</td><td>3,000.00</td><td>..</td><td>1 (2 mos.)</td></tr><tr><td>Senior highway engineer.....do.....</td><td>2,500.00</td><td>..</td><td>1 (3 mos.)</td></tr><tr><td>Assistant chemical engineer.....do.....</td><td>2,000.00</td><td>1</td><td>..</td></tr><tr><td>Superintendent of road construction.....do.....</td><td>1,920.00</td><td>1</td><td>..</td></tr><tr><td>Assistant mechanical engineer.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant mechanical engineers.....do.....</td><td>1,600.00</td><td>..</td><td>{(1 for 7½ mos.)</td></tr><tr><td>Highway engineer.....do.....</td><td>1,500.00</td><td>..</td><td>3{(1 for 10 mos.)</td></tr><tr><td>Junior highway engineers.....do.....</td><td>960.00</td><td>..</td><td>{(1 temp.)</td></tr><tr><td>Road patrolmen, laboratory assistant, student assistants, and superintendent of road construction, \$960 to \$300.....per annum..</td><td></td><td>9</td><td>1 (1 mo.)</td></tr><tr><td>Wages:</td><td></td><td></td><td>2{(1 for 3½ mos.)</td></tr><tr><td>Miscellaneous and temporary la- bor.....per month..</td><td>60.00</td><td>..</td><td>2</td></tr><tr><td>bor.....per diem....</td><td>4.00</td><td>..</td><td>2</td></tr><tr><td>Salaries.....</td><td></td><td>\$11,840.00</td><td>\$11,539.23</td></tr><tr><td>Wages.....</td><td></td><td></td><td>988.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>1,200.00</td><td>1,218.44</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,000.00</td><td>2,852.96</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>210.00</td><td>9,389.58</td></tr><tr><td>Construction work.....</td><td></td><td>143,750.00</td><td>234,502.58</td></tr><tr><td>Total.....</td><td></td><td>60,000.00</td><td>60,490.79</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Chief of construction.....per annum..	\$3,500.00	..	1 (1 mo.)	Engineer of tests.....do.....	3,250.00	..	1 (2 mos.)	Chief of maintenance.....do.....	3,000.00	..	1 (1 mo.)	Senior highway engineer.....do.....	3,000.00	..	1 (2 mos.)	Senior highway engineer.....do.....	2,500.00	..	1 (3 mos.)	Assistant chemical engineer.....do.....	2,000.00	1	..	Superintendent of road construction.....do.....	1,920.00	1	..	Assistant mechanical engineer.....do.....	1,800.00	1	1	Assistant mechanical engineers.....do.....	1,600.00	..	{(1 for 7½ mos.)	Highway engineer.....do.....	1,500.00	..	3{(1 for 10 mos.)	Junior highway engineers.....do.....	960.00	..	{(1 temp.)	Road patrolmen, laboratory assistant, student assistants, and superintendent of road construction, \$960 to \$300.....per annum..		9	1 (1 mo.)	Wages:			2{(1 for 3½ mos.)	Miscellaneous and temporary la- bor.....per month..	60.00	..	2	bor.....per diem....	4.00	..	2	Salaries.....		\$11,840.00	\$11,539.23	Wages.....			988.00	Other objects of expenditure:				Traveling expenses.....		1,200.00	1,218.44	Equipment and material.....		3,000.00	2,852.96	Miscellaneous items.....		210.00	9,389.58	Construction work.....		143,750.00	234,502.58	Total.....		60,000.00	60,490.79		
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¹ It is not practicable to make a detailed estimate of construction work for 1918, as it has not been determined at this time.																																																																																																						
² This construction work was done as follows:																																																																																																						
Russell Road, built under cooperative agreement, 5,345.4 feet long and 16 feet wide, being 85,526 square feet, at 16.8 cents per square foot. Amount paid by Department of Agriculture.....		\$7,004.78																																																																																																				
Mount Vernon Road, 10,850 feet long by 16 feet wide, containing 173,000 square feet, at approximately 6.6 cents per square foot.....		11,508.72																																																																																																				
Surface treating Rockville Pike, 10,636 square yards, at 11 cents per square yard.....		1,170.00																																																																																																				
Surface treating Potomac Road, containing 22,123 square yards, at 11.3 cents per square yard.....		2,500.00																																																																																																				
Experimental culvert.....		239.04																																																																																																				
Maintenance work on road in Montgomery County, Md., the unit cost as follows:																																																																																																						
Section 8, 6.5 cents per square yard.																																																																																																						
Section 10, 6 cents per square yard.																																																																																																						
Section 9, 8 cents per square yard.																																																																																																						
Section 1, 10.8 cents per square yard.																																																																																																						
Making a total cost of.....		1,443.71																																																																																																				
Construction of experimental road in department grounds, 668 square yards, at \$1.85 per square yard.....		1,236.33																																																																																																				
Alexandria-Accotink Road, constructed under a cooperative agreement, 6,960 feet long by 14 feet wide, containing 10,826 square yards, at approximately \$1.025 per square yard, the department's share being.....		9,400.00																																																																																																				

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																																																																																												
General Expenses, Office of Public Roads and Rural Engineering—Continued.																																																																																																																																																																																																																														
(53) For investigating and reporting upon the utilization of water in farm irrigation, including the best methods to apply in practice; the different kinds of power and appliances, and the development of equipment for farm irrigation; the flow of water in ditches, pipes, and other conduits; the duty, apportionment, and measurement of irrigation water; the customs, regulations, and laws affecting irrigation; for the purchase and installation of equipment for experimental purposes; for the giving of expert advice and assistance; for the preparation and illustration of reports and bulletins on irrigation; for the employment of assistants and labor in the city of Washington and elsewhere; for rent outside of the District of Columbia; and for supplies and all necessary expenses ["\$103,400"] (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1</i>) -----	\$102,440.00																																																																																																																																																																																																																													
NOTE.—There is an apparent decrease in this item of \$960, due to transfers to the statutory roll.																																																																																																																																																																																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td colspan="2"></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Salaries:</td><td></td><td></td><td></td></tr><tr><td>Assistant director.....per annum..</td><td>\$4,000.00</td><td>1 (3 mos.)</td><td>1 (3 mos.)</td></tr><tr><td>Chief, irrigation investigations.....do....</td><td>3,750.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation economist.....do.....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td></td><td>2,700.00</td><td>1</td><td>1</td></tr><tr><td>Assistant irrigation economist.....do....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Assistant irrigation economist.....do....</td><td>1,620.00</td><td>1</td><td>..</td></tr><tr><td>Assistant irrigation economist.....do....</td><td>1,600.00</td><td>..</td><td>1</td></tr><tr><td>Irrigation manager.....do.....</td><td>2,640.00</td><td>..</td><td>1</td></tr><tr><td>Irrigation manager.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation manager.....do.....</td><td>1,500.00</td><td>1</td><td>..</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,400.00</td><td>2</td><td>1</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,280.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,220.00</td><td>4</td><td>4</td></tr><tr><td>Irrigation engineer.....do.....</td><td>2,160.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation engineer.....do.....</td><td>2,100.00</td><td>..</td><td>1</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,000.00</td><td>3</td><td>3</td></tr><tr><td>Irrigation engineers.....do.....</td><td>1,980.00</td><td>2</td><td>2</td></tr><tr><td>Irrigation engineer.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant irrigation engineers.....do....</td><td>1,500.00</td><td>3</td><td>1</td></tr><tr><td>Assistant irrigation engineers.....do....</td><td>1,320.00</td><td>1 (temp.)</td><td>4 (2 temp.)</td></tr><tr><td>Assistant irrigation engineer.....do....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Assistant irrigation engineers.....do....</td><td>1,080.00</td><td>..</td><td>2 (1 temp.)</td></tr><tr><td>Irrigation farmer.....do.....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Senior drainage engineer.....do.....</td><td>2,400.00</td><td>1</td><td>1 (4 mos.)</td></tr><tr><td>Senior drainage engineer.....do.....</td><td>2,100.00</td><td>1 (temp.)</td><td>..</td></tr><tr><td>Drainage engineer.....do.....</td><td>1,800.00</td><td>1</td><td>1 (4 mos.)</td></tr><tr><td>Agents.....do.....</td><td>1,500.00</td><td>1</td><td>2 (1 temp.)</td></tr><tr><td>Agent.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....do.....</td><td>1,400.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....do.....</td><td>1,320.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do.....</td><td>1,200.00</td><td>..</td><td>6 (5 temp.)</td></tr><tr><td>Cooperative agents.....do.....</td><td>1,020.00</td><td>..</td><td>4 (temp.)</td></tr><tr><td>Clerk.....do.....</td><td>1,620.00</td><td>..</td><td>1 (3 mos.)</td></tr><tr><td>Clerk.....do.....</td><td>1,600.00</td><td>..</td><td>1 (2 mos.)</td></tr><tr><td>Clerks.....do.....</td><td>1,200.00</td><td>..</td><td>2 (1 for 6 mos.; 1 temp.)</td></tr><tr><td>Clerks and charwoman, \$900 and \$480 per annum.....</td><td>..</td><td>..</td><td>5 (4 temp.; 1 for 6 mos.)</td></tr><tr><td>Mechanician, messenger boy, and charwoman, \$1,680 to \$240,* per annum.....</td><td>..</td><td>..</td><td>3</td></tr><tr><td>Charwoman,** per annum.....</td><td>240.00</td><td>..</td><td>1</td></tr><tr><td>Agents, collaborators, irrigation engineers, irrigation farmers, charwoman, and assistants— \$80 to \$1.50.....per month.....</td><td>..</td><td>2</td><td>58 (55 temp.)</td></tr><tr><td>\$6.75 to \$3.....per diem.....</td><td>..</td><td>8 (temp.)</td><td>8 (temp.)</td></tr><tr><td>\$0.50 to \$0.25.....per hour.....</td><td>..</td><td>..</td><td>3 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor.....(per month..</td><td>50.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>.....(per diem....</td><td>3.50</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Salaries.....</td><td>..</td><td>\$70,400.00</td><td>\$69,844.66</td></tr><tr><td>Wages.....</td><td>..</td><td>..</td><td>584.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td>..</td><td>900.00</td><td>1,347.24</td></tr><tr><td>Traveling expenses.....</td><td>..</td><td>24,200.00</td><td>25,279.70</td></tr><tr><td>Equipment and material.....</td><td>..</td><td>3,420.00</td><td>4,506.32</td></tr><tr><td>Miscellaneous items.....</td><td>..</td><td>3,520.00</td><td>5,482.49</td></tr><tr><td>Total.....</td><td>..</td><td>102,440.00</td><td>107,044.41</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.			<i>Number.</i>	<i>Number.</i>	Salaries:				Assistant director.....per annum..	\$4,000.00	1 (3 mos.)	1 (3 mos.)	Chief, irrigation investigations.....do....	3,750.00	1	1	Irrigation economist.....do.....	3,000.00	1	1		2,700.00	1	1	Assistant irrigation economist.....do....	1,800.00	1	..	Assistant irrigation economist.....do....	1,620.00	1	..	Assistant irrigation economist.....do....	1,600.00	..	1	Irrigation manager.....do.....	2,640.00	..	1	Irrigation manager.....do.....	2,500.00	1	1	Irrigation manager.....do.....	1,500.00	1	..	Irrigation engineers.....do.....	2,400.00	2	1	Irrigation engineers.....do.....	2,280.00	1	1	Irrigation engineers.....do.....	2,220.00	4	4	Irrigation engineer.....do.....	2,160.00	1	1	Irrigation engineer.....do.....	2,100.00	..	1	Irrigation engineers.....do.....	2,000.00	3	3	Irrigation engineers.....do.....	1,980.00	2	2	Irrigation engineer.....do.....	1,800.00	1	1	Assistant irrigation engineers.....do....	1,500.00	3	1	Assistant irrigation engineers.....do....	1,320.00	1 (temp.)	4 (2 temp.)	Assistant irrigation engineer.....do....	1,200.00	1	1	Assistant irrigation engineers.....do....	1,080.00	..	2 (1 temp.)	Irrigation farmer.....do.....	1,200.00	1	1	Senior drainage engineer.....do.....	2,400.00	1	1 (4 mos.)	Senior drainage engineer.....do.....	2,100.00	1 (temp.)	..	Drainage engineer.....do.....	1,800.00	1	1 (4 mos.)	Agents.....do.....	1,500.00	1	2 (1 temp.)	Agent.....do.....	1,440.00	1	1	Agent.....do.....	1,400.00	1	1	Agent.....do.....	1,320.00	1	1	Agents.....do.....	1,200.00	..	6 (5 temp.)	Cooperative agents.....do.....	1,020.00	..	4 (temp.)	Clerk.....do.....	1,620.00	..	1 (3 mos.)	Clerk.....do.....	1,600.00	..	1 (2 mos.)	Clerks.....do.....	1,200.00	..	2 (1 for 6 mos.; 1 temp.)	Clerks and charwoman, \$900 and \$480 per annum.....	5 (4 temp.; 1 for 6 mos.)	Mechanician, messenger boy, and charwoman, \$1,680 to \$240,* per annum.....	3	Charwoman,** per annum.....	240.00	..	1	Agents, collaborators, irrigation engineers, irrigation farmers, charwoman, and assistants— \$80 to \$1.50.....per month.....	..	2	58 (55 temp.)	\$6.75 to \$3.....per diem.....	..	8 (temp.)	8 (temp.)	\$0.50 to \$0.25.....per hour.....	3 (temp.)	Wages:				Miscellaneous temporary labor.....(per month..	50.00	..	1 (temp.)(per diem....	3.50	..	1 (temp.)	Salaries.....	..	\$70,400.00	\$69,844.66	Wages.....	584.00	Other objects of expenditure:				Stationery.....	..	900.00	1,347.24	Traveling expenses.....	..	24,200.00	25,279.70	Equipment and material.....	..	3,420.00	4,506.32	Miscellaneous items.....	..	3,520.00	5,482.49	Total.....	..	102,440.00	107,044.41		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																																																																																																																																																											
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Irrigation engineers.....do.....	2,220.00	4	4																																																																																																																																																																																																																											
Irrigation engineer.....do.....	2,160.00	1	1																																																																																																																																																																																																																											
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Agent.....do.....	1,440.00	1	1																																																																																																																																																																																																																											
Agent.....do.....	1,400.00	1	1																																																																																																																																																																																																																											
Agent.....do.....	1,320.00	1	1																																																																																																																																																																																																																											
Agents.....do.....	1,200.00	..	6 (5 temp.)																																																																																																																																																																																																																											
Cooperative agents.....do.....	1,020.00	..	4 (temp.)																																																																																																																																																																																																																											
Clerk.....do.....	1,620.00	..	1 (3 mos.)																																																																																																																																																																																																																											
Clerk.....do.....	1,600.00	..	1 (2 mos.)																																																																																																																																																																																																																											
Clerks.....do.....	1,200.00	..	2 (1 for 6 mos.; 1 temp.)																																																																																																																																																																																																																											
Clerks and charwoman, \$900 and \$480 per annum.....	5 (4 temp.; 1 for 6 mos.)																																																																																																																																																																																																																											
Mechanician, messenger boy, and charwoman, \$1,680 to \$240,* per annum.....	3																																																																																																																																																																																																																											
Charwoman,** per annum.....	240.00	..	1																																																																																																																																																																																																																											
Agents, collaborators, irrigation engineers, irrigation farmers, charwoman, and assistants— \$80 to \$1.50.....per month.....	..	2	58 (55 temp.)																																																																																																																																																																																																																											
\$6.75 to \$3.....per diem.....	..	8 (temp.)	8 (temp.)																																																																																																																																																																																																																											
\$0.50 to \$0.25.....per hour.....	3 (temp.)																																																																																																																																																																																																																											
Wages:																																																																																																																																																																																																																														
Miscellaneous temporary labor.....(per month..	50.00	..	1 (temp.)																																																																																																																																																																																																																											
.....(per diem....	3.50	..	1 (temp.)																																																																																																																																																																																																																											
Salaries.....	..	\$70,400.00	\$69,844.66																																																																																																																																																																																																																											
Wages.....	584.00																																																																																																																																																																																																																											
Other objects of expenditure:																																																																																																																																																																																																																														
Stationery.....	..	900.00	1,347.24																																																																																																																																																																																																																											
Traveling expenses.....	..	24,200.00	25,279.70																																																																																																																																																																																																																											
Equipment and material.....	..	3,420.00	4,506.32																																																																																																																																																																																																																											
Miscellaneous items.....	..	3,520.00	5,482.49																																																																																																																																																																																																																											
Total.....	..	102,440.00	107,044.41																																																																																																																																																																																																																											

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Office of Public Roads and Rural Engineering—Continued.</i>		
(54) For investigating and reporting upon farm drainage and upon the drainage of swamp and other wet lands which may be made available for agricultural purposes; for preparing plans for the removal of surplus water by drainage, and for giving expert assistance by advice or otherwise in the drainage of such lands; for conducting field experiments and investigations concerning the construction and maintenance of farm drainage work; for investigating and developing equipment intended for the construction and maintenance of farm drainage structures; for the purchase of materials and equipment; and for preparing and illustrating reports and bulletins on drainage; and for the employment of assistants and labor in the city of Washington and elsewhere; for rent outside the District of Columbia, and for supplies and all necessary expenses [\$94,720] (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1</i>)	\$93,760.00	

NOTE.—There is an apparent decrease in this item of \$960, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant director.....per annum..	\$4,000.00	1	1 (3 mos.)
Chief of drainage investigations.....do..	3,500.00	1	1
Senior drainage engineer.....do..	2,160.00	1	1
Senior drainage engineers.....do..	2,100.00	10	5
Expert, drainage organization.....do..	2,100.00	1	1
Drainage engineer.....do..	2,500.00	1	1
Senior drainage engineer.....do..	2,400.00	1	1 (8 mos.)
Senior drainage engineer.....do..	2,280.00	1	1
Drainage engineer.....do..	2,220.00	1	1
Drainage engineer.....do..	2,600.00	1	1
Drainage engineers.....do..	1,980.00	2	3
Drainage engineers.....do..	1,800.00	2	5 (1 for 8 mos.)
Drainage engineers.....do..	1,620.00	2	2
Drainage engineers.....do..	1,440.00	2	2
Drainage engineer.....do..	1,200.00	1	1
Junior drainage engineer.....do..	1,080.00	1	1
Junior drainage engineers.....do..	960.00	5	5
Junior highway engineers.....do..	960.00	2	2 (1 for 1 mo.; 1 for 2 mos.)
Levelman.....do..	1,200.00	1	1
Lantern slide colorist.....do..	1,320.00	1	1 (6 mos.)
Watchman*.....do..	720.00	1	1
Clerk.....do..	1,000.00	1	1
Stenographers and typewriters, civil engineering students, drainage engineer, collaborators, messenger boy and watchman, \$900 to \$300.....per annum..		8 (6 temp.)	17 (15 temp.)
Wages:			
Unskilled laborer*.....do..	840.00	1	1
Fireman**.....do..	720.00	1	1
Temporary labor, \$4 to \$1.50.....per diem..		5	5
Salaries.....		\$52,860.00	\$60,202.09
Wages.....			2,581.00
Other objects of expenditure:			
Traveling expenses.....		30,000.00	26,069.82
Equipment and material.....		3,250.00	1,411.86
Miscellaneous items.....		7,650.00	3,466.72
Total.....		93,760.00	93,731.49

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

- (55) For investigating farm domestic water supply and drainage disposal, the construction of farm buildings, and other rural engineering problems involving mechanical principles, including the erection of such structures outside of the District of Columbia as may be necessary, the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses **[\$20,000]** (*same acts*)

30,000.00

NOTE.—There is an increase of \$10,000 in this item. The demand for information and assistance in rural-engineering problems is far in excess of the ability of the office to meet. Furthermore, there is very little reliable in-

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
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General Expenses, Office of Public Roads and Rural Engineering—Continued.

formation available. Before publications and directions of value can be issued it will be necessary to check up existing information and in most cases secure data that are not at present available. To accomplish the desired result a considerable amount of original field work will be necessary. A material increase in the present office force, however, is not anticipated, except, possibly, the employment of an additional designer and a few draftsmen, but the organization of an efficient field force will be essential to conduct extensive and intensive investigations in various localities throughout the entire country.

New language has been added to the paragraph providing for the erection of necessary structures outside of the District of Columbia. This is for the purpose of conferring definite authority for the erection of such structures as septic tanks, water troughs, hydraulic ram pits, etc., upon which investigations are being conducted. The word "structures" as here applied is differentiated from the word "buildings." In making tests of farm heating plants, lighting plants, power transmission, gas engines, insulation, and ice storage, etc., it may be necessary to erect temporary booths or sheds to shelter the apparatus or (as in the case of heaters) to produce the exact amount of inclosed space to correspond with the capacity of the apparatus under test. It is expected that all structures erected for the conduct of this work will be placed on land owned by the Federal Government, States, or municipalities.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
<i>Salaries:</i>		<i>Number.</i>	<i>Number.</i>
Mechanical engineer.....per annum..	\$3,500.00	1	1 (1 mo.)
Architect.....do.....	2,700.00	1	..
Structural designer.....do.....	2,700.00	1	..
Farm architect.....do.....	2,520.00	..	1 (temp.)
Assistant farm architect.....do.....	2,500.00	1	1
Architectural engineer.....do.....	2,500.00	1	..
Architectural engineer.....do.....	2,000.00	1	..
Rural engineer.....do.....	2,400.00	1	..
Assistant rural engineer.....do.....	1,800.00	1	..
Assistant in rural engineering.....do.....	1,620.00	1	1
Barn architect.....do.....	1,900.00	1	1
Architectural draftsman.....do.....	1,800.00	1	..
Architectural draftsman.....do.....	1,900.00	1	..
Architectural draftsman.....do.....	1,200.00	1	3 (temp.)
Architectural draftsman.....do.....	1,000.00	1	..
Architectural draftsman.....do.....	900.00	1	..
Assistant mechanical engineers.....do.....	1,600.00	1	2 (1 for 1½ mos.; 1 for ½ mos.)
Mechanical draftsmen.....do.....	1,200.00	..	2 (temp.)
Clerk.....do.....	1,600.00	..	1 (2½ mos.)
Agricultural engineers.....do.....	720.00	..	2 (temp.)
<i>Salaries.....</i>		\$24,220.00	\$10,079.01
<i>Other objects of expenditure:</i>			
Traveling expenses.....		3,200.00	1,620.07
Equipment and material.....		500.00	115.09
Miscellaneous items.....		2,080.00	632.35
<i>Total.....</i>		30,000.00	12,446.52

- (56) For general administrative expenses connected with the above-mentioned lines of investigations and experiments **[\$12,600]** (acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1, and Aug. 11, 1916, vol. 39, p. 472, sec. 1) \$16,000.00

NOTE.—There is an increase in this item of \$3,400. This additional amount will be necessary to take care of the large increase in the general administrative work of the Washington office, and in connection with the general supervision of field investigations and experiments. Seven hundred dollars of this increase will be used for traveling expenses and the remainder for miscellaneous items.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
<i>Salaries:</i>		<i>Number.</i>	<i>Number.</i>
Assistant director.....per annum..	\$4,000.00	1 (3 mos.)	1 (3 mos.)
Architectural draftsman.....do.....	1,800.00	..	1 (10 mos.)
Clerk.....do.....	1,600.00	..	1 (2½ mos.)
<i>Wages:</i>			
Temporary labor.....per diem..	1.50	..	1
<i>Salaries.....</i>		\$1,000.00	\$2,669.82
<i>Wages.....</i>			90.00
<i>Other objects of expenditure:</i>			
Stationery.....		3,500.00	3,005.88
Traveling expenses.....		1,500.00	791.07
Equipment and material.....		1,500.00	719.13
Telegraph and telephone service.....		2,500.00	1,764.58
Miscellaneous items.....		6,000.00	3,404.81
<i>Total.....</i>		16,000.00	12,445.29

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Office of Public Roads and Rural Engineering—Continued.</i>		
(57) <i>For the erection and equipment of a laboratory building on the Arlington Farm property of the United States Department of Agriculture for permanent quarters for the testing and research work of the Office of Public Roads and Rural Engineering, plans and specifications to be prepared and work done under the supervision of the Secretary of Agriculture (submitted) -----</i>		
	\$75, 000. 00	
<p>NOTE.—This is a new item. At the present time the laboratory and shop work of the Office of Public Roads and Rural Engineering is divided between two chemical laboratories and a microscopic laboratory located on the eighth floor of the Willard Building, physical testing laboratories on the ground floor and in the basement of the building, a machine shop on the ground floor, and a photographic laboratory on the fourth floor. The floor space is inadequate for the work which has to be done, and at times the noise and odors from the laboratories are objectionable. It is proposed to move all this work to new permanent quarters on the Arlington Farm, where it can be conducted in conjunction with the work of the concrete laboratory, the soil-pressure laboratory, and the experimental refining plant. As the Office of Public Roads and Rural Engineering is participating more and more in road work throughout the United States, it is only reasonable to suppose that research and testing laboratories located at or in the vicinity of Washington will be called upon to handle a very much greater volume of work than heretofore. It is therefore believed that the erection of a building such as is contemplated by this item will ultimately prove to be an economy in the conduct of the work of the office. The building will be approximately 75 by 150 feet, containing 337,500 cubic feet of space, at a unit cost of 20 cents per cubic foot. The equipment will cost about \$7,500.</p>		
In all, for general expenses -----	\$611, 240. 00	\$510,820. 00
Appropriations for 1908..... \$57, 660	Estimates for 1909..... \$91, 620	
Appropriations for 1909..... 75, 000	Estimates for 1910..... 110, 240	
Appropriations for 1910..... 100, 000	Estimates for 1911..... 92, 980	
Appropriations for 1911..... 92, 980	Estimates for 1912..... 131, 840	
Appropriations for 1912..... 125, 700	Estimates for 1913..... 189, 456	
Appropriations for 1913..... 165, 100	Estimates for 1914..... 331, 840	
Appropriations for 1914..... 232, 000	Estimates for 1915..... 341, 390	
Appropriations for 1915..... 300, 060	Estimates for 1916..... 597, 700	
Appropriations for 1916..... 510, 505	Estimates for 1917..... 523, 625	
Appropriations for 1917..... 510, 820	Estimates for 1918..... 611, 240	
<p>¹ Includes \$202,680 for irrigation and drainage investigations previously carried in States Relations Service.</p>		
<p><i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i></p>		
GENERAL EXPENSES, OFFICE OF PUBLIC ROADS AND RURAL ENGINEERING.		
1 clerk, \$1,620 per annum.		
3 clerks, at \$1,600 per annum each.		
3 clerks, at \$1,200 per annum each.		
1 clerk, \$1,000 per annum.		
6 clerks, at \$900 per annum each.		
Total for Office of Public Roads and Rural Engineering -----	709, 960. 00	599, 200. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
【OFFICE OF MARKETS AND RURAL ORGANIZATION】 BUREAU OF MARKETS.		
<p>NOTE.—It is proposed to change the name of the Office of Markets and Rural Organization to "Bureau of Markets." This change is justified by the importance of the work and the size of the organization, and there is a widespread sentiment in favor of it. It is in the interest of simplicity and convenience and gives the organization a title by which it already is generally known throughout the country.</p>		
<i>Salaries, 【Office of Markets and Rural Organization】 Bureau of Markets—</i>		
(1) One chief of 【office】 bureau (increase of \$500) (<i>R. S., p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, p. 473, sec. 1</i>)	\$5, 000. 00	
<p>NOTE.—This official has been the head of this organization since its inception and has personally directed the work in all phases of its development. With the rapid growth of this bureau his duties and responsibilities have increased correspondingly. The increase recommended will provide a salary commensurate with that paid to other chiefs of bureaus with like responsibilities.</p>		
(2) One chief clerk (<i>same acts</i>)	2, 000. 00	
(3) One administrative assistant (by transfer from lump fund for administrative expenses) (<i>same acts</i>)	2, 500. 00	
(4) One administrative assistant (<i>same acts</i>)	1, 980. 00	
(5) Five clerks, class 4 (<i>same acts</i>)	9, 000. 00	
(6) Ten clerks, class 3 (increase of 2, 1 by transfer from lump fund for administrative expenses, and 1 by transfer from statutory roll, Bureau of Plant Industry) (<i>same acts</i>)	16, 000. 00	
(7) Fifteen clerks, class 2 (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)	21, 000. 00	
(8) One clerk (<i>same acts</i>)	1, 380. 00	
(9) One clerk (<i>same acts</i>)	1, 320. 00	
(10) Twenty-nine clerks, class 1 (increase of 9, 2 by transfer from statutory roll, Bureau of Plant Industry, 3 from lump fund for marketing and distributing farm products, 2 from administrative expenses, 1 from collecting and distributing market information, and 1 from grain standards) (<i>same acts</i>)	34, 800. 00	
(11) One clerk (<i>same acts</i>)	1, 140. 00	
(12) Two clerks, at \$1,100 each (by transfer from lump funds for collecting and distributing market information and rural cooperation) (<i>same acts</i>)	2, 200. 00	
(13) Thirty clerks, at \$1,000 each (increase of 20, 10 by transfer from lump fund for collecting and distributing market information, 1 from rural cooperation, 2 from marketing and distributing farm products, 3 from administrative expenses, 1 from grain standards, and 3 from statutory roll, Bureau of Plant Industry) (<i>same acts</i>)	30, 000. 00	
(14) Three clerks, at \$1,080 each (increase of 2 by transfer from lump funds for collecting and distributing market information and administrative expenses) (<i>same acts</i>)	3, 240. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, [Office of Markets and Rural Organization] Bureau of Markets—Con.</i>		
(15) Two clerks, at \$1,020 each (by transfer from statutory roll, Bureau of Plant Industry) (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, p. 473, sec. 1) -----	\$2, 040. 00	
(16) Twenty clerks, at \$900 each (increase of 10, 6 by transfer from lump fund for collecting and distributing market information, and 4 from statutory roll, Bureau of Plant Industry) (<i>same acts</i>) -----	18, 000. 00	
(17) Three clerks, at \$840 each (increase of 2, 1 by transfer from lump fund for collecting and distributing market information, and 1 from statutory roll, Bureau of Plant Industry) (<i>same acts</i>) ----	2, 520. 00	
(18) Two clerks, at \$720 each (<i>same acts</i>) -----	1, 440. 00	
(19) One mechanical assistant (<i>same acts</i>) -----	1, 800. 00	
(20) One mechanical assistant (<i>same acts</i>) -----	1, 380. 00	
(21) One laboratory helper (by transfer from lump fund for grain standardization) (<i>same acts</i>) -----	900. 00	
(22) Three laboratory aids, at \$900 each (<i>same acts</i>) -----	2, 700. 00	
(23) One laboratory aid (by transfer from statutory roll, Bureau of Plant Industry) (<i>same acts</i>) -----	840. 00	
(24) Seven laboratory aids, at \$720 each (increase of 3 by transfer from lump fund for grain standardization) (<i>same acts</i>) -----	5, 040. 00	
(25) Two laboratory aids, at \$600 each (<i>same acts</i>) -----	1, 200. 00	
(26) One photographer (<i>same acts</i>) -----	1, 400. 00	
(27) One photographer (<i>same acts</i>) -----	1, 200. 00	
(28) One supervising telegrapher (by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>) -----	1, 620. 00	
(29) One telegraph operator (<i>same acts</i>) -----	1, 400. 00	
(30) Two telegraph operators, at \$1,200 each (increase of 1 by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>) -----	2, 400. 00	
(31) One telephone operator (by transfer from lump fund for administrative expenses) (<i>same acts</i>) -----	600. 00	
(32) One draftsman (<i>submitted</i>) -----	1, 000. 00	

NOTE.—This new place is recommended in order to provide an adequate salary for the person supervising the drafting work of the bureau and to furnish necessary additional help in connection with the work of measuring the length of staple in cotton, which will be largely increased in the near future when the preparation of the official standards for length of staple in cotton is begun. It is proposed to fill this position by the promotion of a map tracer now being paid \$900 per annum. This employee has been in the department over six years and was last promoted on July 13, 1914. She supervises the work of two subordinates engaged in the preparation of charts, diagrams, etc., the lettering of maps for bulletins and other uses, and the measurement of cotton fibers. The salary now being paid this employee is the same as that which she received when performing work of the same character for one division of another bureau of the department.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, [Office of Markets and Rural Organization] Bureau of Markets—Con.</i>		
(33) One map tracer (<i>R. S., p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, p. 473, sec. 1</i>) -----	\$900. 00	
(34) One map tracer (<i>same acts</i>) -----	720. 00	
(35) One map tracer (<i>same acts</i>) -----	600. 00	
(36) One map tracer (<i>same acts</i>) -----	480. 00	
(37) Two skilled laborers, at \$900 each (1 by transfer from lump fund for administrative expenses, and 1 new place) (<i>same acts</i>) -----	1, 800. 00	
NOTE.—This new place will provide for the appointment of a skilled laborer to oversee the work of the messengers, janitors, and laborers in the bureau. During the next fiscal year work of this character will be largely centralized, as it is believed that this will add to the efficiency of the service and render its operation more economical.		
(38) One laborer (<i>same acts</i>) -----	720. 00	
(39) Two laborers, at \$660 each (increase of 1 by transfer from lump fund for cotton testing) (<i>same acts</i>) -----	1, 320. 00	
(40) Four messenger boys or laborers, at \$600 each (<i>same acts</i>) -----	2, 400. 00	
(41) Four messenger boys or laborers, at \$540 each (<i>same acts</i>) -----	2, 160. 00	
(42) Ten messenger boys or laborers, at \$480 each (increase of 2 by transfer from lump funds for cotton futures and administrative expenses) (<i>same acts</i>) -----	4, 800. 00	
(43) Two messenger boys, at \$420 each (increase of 1 by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>) -----	840. 00	
(44) One messenger boy (by transfer from lump fund for cotton futures) (<i>same acts</i>) -----	360. 00	
(45) One charwoman (<i>submitted</i>) -----	540. 00	
NOTE.—It is now necessary to add materially to the floor space occupied by this bureau. This additional place is recommended in order to provide for some of the extra labor required and for the proper supervision of the char force. It is believed that the efficiency of the char force will be increased if it is placed under a competent head.		
(46) Two charwomen, at \$480 each (<i>R. S., p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, p. 473, sec. 1</i>) -----	960. 00	
(47) One charwoman (<i>same acts</i>) -----	300. 00	
(48) Two charwomen, at \$240 each (<i>same acts</i>) -----	480. 00	
Appropriations for 1915..... (1)	Estimates for 1916.....	\$51,120
Appropriations for 1916..... \$56,400	Estimates for 1917.....	134,980
Appropriations for 1917..... 129,880	Estimates for 1918.....	198,420
	\$198,420. 00	\$129,880. 00

¹ Salaries paid from lump fund appropriation for Office of Markets.

NOTE.—Apparent increase, \$68,540; actual increase, \$17,260, as follows:

Promotion.

1 chief of bureau, from \$4,500 to \$5,000..... \$500

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, [Office of Markets and Rural Organization] Bureau of Markets—Con.</i>		
<i>New places.</i>		
1 draftsman..... \$1,000 1 skilled laborer..... 900 1 charwoman..... 540 \$2,440 2,940		
<i>Transfers from statutory roll of Bureau of Plant Industry, which roll has been correspondingly reduced.</i>		
1 clerk, class 3..... 1,600 2 clerks, class 1..... 2,400 2 clerks, at \$1,020 each..... 2,040 3 clerks, at \$1,000 each..... 3,000 4 clerks, at \$900 each..... 3,600 1 clerk..... 840 1 laboratory aid..... 840 14,320 Actual increase..... 17,260		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 administrative assistant, from administrative expenses..... 2,500 1 clerk, class 3, from administrative expenses..... 1,600 1 clerk, class 2, from administrative expenses..... 1,400 7 clerks, class 1, 3 from marketing and distributing farm products, 2 from administrative expenses, 1 from collecting and distributing market information, and 1 from grain standards..... 8,400 2 clerks, at \$1,100 each, from collecting and distributing market information and rural cooperation..... 2,200 17 clerks, at \$1,000 each, 10 from collecting and distributing market information, 3 from administrative expenses, 2 from marketing and distributing farm products, 1 from rural cooperation, and 1 from grain standards..... 17,000 2 clerks, at \$1,080 each, from collecting and distributing market information and administrative expenses..... 2,160 6 clerks, at \$900 each, from collecting and distributing market information..... 5,400 1 clerk, from collecting and distributing market information.. 840 1 laboratory helper, from grain standardization..... 900 3 laboratory aids, at \$720 each, from grain standardization.... 2,160 1 supervising telegrapher, from collecting and distributing market information..... 1,620 1 telegraph operator, from collecting and distributing market information..... 1,200 1 telephone operator, from administrative expenses..... 600 1 skilled laborer, from administrative expenses..... 900 1 laborer, from cotton testing..... 660 2 messenger boys or laborers, at \$480 each, from cotton futures and administrative expenses..... 960 1 messenger boy, from collecting and distributing market information..... 420 1 messenger boy, from cotton futures..... 360 51,280 Apparent increase..... 68,540		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—</i>		
(49) For salaries and the employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and all other expenses necessary in conducting investigations, experiments, and demonstrations, as follows (<i>acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1</i>):		
(50) For acquiring and diffusing among the people of the United States useful information on subjects connected with the marketing and distributing of farm and nonmanufactured food products and the purchasing of farm supplies, independently and in cooperation with other branches of the department, State agencies, purchasing and consuming organizations, and persons engaged in the transportation, marketing and distributing of farm and food products ["\$285,000"] (<i>same acts</i>)-----	\$295,400.00	

NOTE.—There is an apparent increase in this item of \$10,400, but, taking into consideration transfers to the statutory roll aggregating \$5,600, the actual increase is \$16,000. It is proposed to use this sum as follows:

Ten thousand dollars for the project "Market Grades and Standards." This increase is requested so that the work of this project may be extended to include the small fruits and certain vegetable crops to which it has not been possible to give attention heretofore. The work relating to grades and standards is fundamental not only to successful marketing but to the proper conduct of the other work of the bureau. The work of this project has been brought to a point where valuable data both for use in teaching and demonstrating the best methods of handling, grading, packing, and shipping fruits and vegetables can be secured and made available in the future. The efficiency and value of the demonstration market news service increase in direct ratio to the perfection and general use of standard grades and standard containers, and effective inspection work by cooperative associations and terminal receivers depends upon the same factors as does the future success of experimental inspection work to be conducted under this project if the increase requested is granted. The four technical workers now engaged on this project are inadequate to handle more than two or three crops, while there is a great demand from consumers, marketing associations, railroad officials and dealers for help on practically all perishable farm products.

Six thousand dollars for the project "Marketing Grain, Hay, and Seeds." This field is large and complicated and covers a number of specific problems which deserve immediate attention. The hay trade, in particular, as well as shippers and consumers, are anxious to have a careful study made of the whole subject, but the present appropriation has been sufficient to approach only a few of the most urgent problems.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Specialist.....per annum..	\$3,500.00	1	1
Specialist.....do....	3,240.00	1	--
Specialists.....do....	3,000.00	5	3
Specialists.....do....	2,760.00	--	2
Specialist.....do....	2,520.00	1	1
Specialist.....do....	2,500.00	1	--
Specialist.....do....	2,460.00	1	--
Specialists.....do....	2,400.00	2	1
Specialist.....do....	2,280.00	--	1
Specialists, \$250 and \$150.....per month..	--	--	2 (temp.)
Investigator.....per annum..	2,520.00	1	1
Investigators.....do....	2,500.00	2	--
Investigators.....do....	2,400.00	4	1
Investigators.....do....	2,100.00	4	4 (1 for 9½ mos.; 1 for 2½ mos.)
Investigator.....do....	2,000.00	1	--
Structural engineer.....do....	2,100.00	1	1
Assistant in marketing.....do....	2,640.00	--	1
Assistant in marketing.....do....	2,500.00	1	--
Assistants in marketing.....do....	2,400.00	2	2
Assistant in marketing.....do....	2,280.00	1	1
Assistants in marketing.....do....	2,250.00	2 (1 temp.)	1 (temp.)
Assistant in marketing.....do....	2,220.00	1	--
Assistant in marketing.....do....	2,100.00	1	--
Assistants in marketing.....do....	2,040.00	2	1
Assistants in marketing.....do....	2,000.00	5	3 (1 temp.)
Assistants in marketing.....do....	1,800.00	21	19 (1 for 8½ mos.; 2 for 7½ mos.; 1 for 3 mos.)

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries—Continued.		Number.	Number.		
Assistants in marketing.....do....	\$1,620.00	15	14 (1 for 8½ mos.)		
Assistant in marketing.....do....	1,600.00	1	..		
Assistants in marketing.....do....	1,500.00	4 (2 temp.)	..		
Assistants in marketing.....do....	1,440.00	1	2		
Assistants in marketing.....do....	1,400.00	6	6		
Assistants in marketing.....do....	1,200.00	2	2		
Inspectors of grades and standards.....do....	1,800.00	2	..		
Agent.....do....	1,500.00	..	1 (temp.)		
Telegraph operator, clerks, messenger boys, and charwoman, \$1,400 to \$240* per annum.....do....	..	..	24		
Clerk **.....do....	1,100.00	..	1		
Clerks**.....do....	1,000.00	..	2		
Messenger boy **.....do....	420.00	..	1		
Clerks, telegraph operators, messenger boys, assistants, agents, field assistants, market reporters, student assistants, cotton samplers, and collaborators—					
\$1,400 to \$1.....per annum.....		2 (temp.)	42 (temp.)		
\$100 to \$25.....per month.....		..	32 (temp.)		
\$3.50 to \$3.....per diem.....		..	31 (temp.)		
Wages:					
Laborers, \$600 to \$480 *.....per annum.....		..	2 (1 for 8 mos.)		
Temporary laborers.....do....	1,000.00	..	1		
Temporary laborers.....per month.....	25.00	..	11		
Salaries.....		\$177,735.00	\$129,214.02		
Wages.....			2,595.00		
Other objects of expenditure:					
Stationery.....		10,095.00	9,483.87		
Traveling expenses.....		75,280.00	49,498.20		
Equipment and material.....		20,475.00	20,816.56		
Telegraph and telephone service.....		4,000.00	15,372.03		
Miscellaneous items.....		7,815.00	5,000.00		
Total.....		295,400.00	231,979.68		

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

- (51) For collecting and distributing, by telegraph, mail, and otherwise, timely information on the supply, commercial movement, disposition, and market prices of fruits and vegetables, **[\$136,600]** \$184,740, of which sum \$40,000 shall be immediately available (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1) \$184,740.00

NOTE.—There is an apparent increase of \$48,140 in the above item, but, taking into consideration transfers to the statutory roll aggregating \$22,860, the actual increase is \$71,000.

This increase is necessary in order to provide for the efficient utilization of the 11 branch offices already opened and the equipment already purchased; to enable the department to report a maximum of five crops through a slightly longer period than has been possible during the 1916 season; and to meet the increased cost of stationery and supplies and the demands of the growing mailing list. About 39,000 producers and dealers have been served during the current year. If the same crops (tomatoes, strawberries, Bermuda onions, cantaloupes, peaches, apples, grapes, potatoes, and watermelons) are reported next year and the service is carried to all of the heavy shipping centers, it will be necessary to prepare to serve individually at least 60,000 persons. This contemplates a service to the potato and apple growers for only a short period at the harvesting season, with field stations in only a few of the most important districts, and no increase in the number of permanent branch offices.

The movement of many of the crops covered begins some time before the beginning of the fiscal year. Hence a proviso is added to this paragraph making \$40,000 immediately available upon the passage of the act. If allowed, this will make a total of \$176,600 available for a telegraphic market news service on a limited number of fruits and vegetables during the fiscal year of 1917 and \$144,740 for this purpose in 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.*		
Salaries:		Number.	Number.		
Assistant in market surveys.....per annum..	\$2,760.00	1	..		
Assistant in market surveys.....do....	2,640.00	1	..		
Assistants in market surveys.....do....	2,400.00	4	..		
Assistant in market surveys.....do....	2,280.00	1	..		
Assistant in market surveys.....do....	2,040.00	1	..		
Assistants in market surveys.....do....	1,800.00	8	..		
Assistants in market surveys.....do....	1,620.00	10	..		
Assistants in market surveys.....do....	1,440.00	4	..		
Assistants in market surveys.....do....	1,400.00	2	..		
Assistant in market surveys.....do....	1,200.00	1	..		
Market station assistants.....do....	1,400.00	10	..		
Clerk.....do....	1,800.00	1	..		
Clerk.....do....	1,600.00	1	..		
Clerks.....do....	1,400.00	3	..		
Salaries.....		\$72,080.00			
Other objects of expenditure:					
Stationery.....		15,000.00			
Traveling expenses.....		20,000.00			
Equipment and material.....		6,000.00			
Telegraph and telephone service.....		65,955.00			
Miscellaneous items.....		5,705.00			
Total.....		184,740.00			

* No specific appropriation for fiscal year 1916.

- (52) To enable the Secretary of Agriculture to gather from stockmen, live-stock associations, State live-stock and agricultural boards, common carriers, stockyards, commission firms, live-stock exchanges, slaughtering and meat-packing companies, and others information relative to the number of different classes and grades of marketable live stock, especially cattle, hogs, and sheep in the principal live-stock feeding districts and growing sections; prices, receipts, and shipments of the different classes and grades of cattle, hogs, and sheep at live-stock market centers; prices of meats and meat food products and the amounts of such products in storage; to compile and publish such information at such frequent intervals as most effectively to guide producers, consumers, and distributors in the sale and purchase of live stock, meats, and other animal products; and to gather and publish any related information pertaining to marketing and distribution of live stock, meats, and animal by-products, the sum of **[\$65,000]** (*acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1*) ----- \$66,800.00

NOTE.—An increase of \$1,800 is recommended in this item in order to provide for the employment of additional clerical assistance.

Employees.	Rate.	Estimates, 1918.	Expended, 1916.*
Salaries:		Number.	Number.
Specialist in live-stock market reports.....per annum..	\$3,000.00	1	..
Assistant in live-stock market reports.....do....	2,400.00	1	..
Assistant in live-stock market reports.....do....	2,000.00	1	..
Agents.....do....	1,800.00	5	..
Clerk.....do....	1,800.00	1	..
Salaries.....		\$18,200.00	
Other objects of expenditure:			
Stationery.....		2,000.00	
Traveling expenses.....		10,000.00	
Equipment and material.....		5,000.00	
Telegraph and telephone service.....		27,600.00	
Miscellaneous items.....		4,000.00	
Total.....		66,800.00	

* No appropriation for fiscal year 1916.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																												
<p><i>General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—Continued.</i></p> <p>(53) For investigating, demonstrating, and promoting the use of standards for the different grades, qualities, and conditions of cotton, and for investigating the ginning, grading, stapling, baling, marking, compressing, and tare of cotton, [\$48,000] <i>\$53,000: Provided, That of the sum thus appropriated \$28,620 may be used for testing the waste, tensile strength and bleaching qualities of the different grades and classes of cotton in order to determine their spinning value and for demonstrating the results of such tests (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1) -----</i> \$53, 000. 00</p> <p>NOTE.—There is an apparent increase in this item of \$5,000, but, taking into consideration the transfer to the statutory roll of 1 laborer at \$660, the actual increase is \$5,660. This sum is requested in order to provide for certain moisture tests which should be made. This work is to be conducted largely at permanent field stations with probably the largest capacity moisture tester ever constructed. This piece of apparatus was recently devised by a mechanical expert of the bureau.</p> <p><i>Cotton Standards.</i></p> <table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Cotton technologist.....per annum..</td><td>{ \$3,600.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in cotton marketing.....do....</td><td>2,760.00</td><td>1</td><td>..</td></tr><tr><td>Assistants in cotton marketing.....do....</td><td>1,800.00</td><td>1</td><td>3 (2 temp.)</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,620.00</td><td>..</td><td>1 (3½ mos.)</td></tr><tr><td>Assistant in agricultural technology.....do....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in agricultural technology.....do....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in cotton classing.....do.....</td><td>1,400.00</td><td>..</td><td>1 (2½ mos.)</td></tr><tr><td>Investigator.....do.....</td><td>2,100.00</td><td>..</td><td>1 (8 mos.)</td></tr><tr><td>Mechanical assistant, clerks, and charwoman, \$1,800 to \$300*.....per annum.....</td><td>.....</td><td>..</td><td>4</td></tr><tr><td>Student assistants, agents, clerk, and \$840 to \$300 per annum.....</td><td>.....</td><td>1</td><td>3 (temp.)</td></tr><tr><td>cotton classer's \$5 to \$3.....per diem.....</td><td>.....</td><td>1</td><td>2 (temp.)</td></tr><tr><td>helper.....</td><td>.....</td><td>..</td><td>..</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborer.....per month..</td><td>25.00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td>.....</td><td>\$12,450.00</td><td>\$15,794.74</td></tr><tr><td>Wages.....</td><td>.....</td><td>.....</td><td>300.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td>.....</td><td>5,030.00</td><td>3,738.36</td></tr><tr><td>Equipment and material.....</td><td>.....</td><td>4,400.00</td><td>3,218.17</td></tr><tr><td>Miscellaneous items.....</td><td>.....</td><td>2,500.00</td><td>1,322.71</td></tr><tr><td>Total.....</td><td>.....</td><td>24,380.00</td><td>24,373.98</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Cotton technologist.....per annum..	{ \$3,600.00	1	1	Assistant in cotton marketing.....do....	2,760.00	1	..	Assistants in cotton marketing.....do....	1,800.00	1	3 (2 temp.)	Scientific assistant.....do.....	1,620.00	..	1 (3½ mos.)	Assistant in agricultural technology.....do....	1,500.00	1	1	Assistant in agricultural technology.....do....	1,440.00	1	1	Assistant in cotton classing.....do.....	1,400.00	..	1 (2½ mos.)	Investigator.....do.....	2,100.00	..	1 (8 mos.)	Mechanical assistant, clerks, and charwoman, \$1,800 to \$300*.....per annum.....	4	Student assistants, agents, clerk, and \$840 to \$300 per annum.....	1	3 (temp.)	cotton classer's \$5 to \$3.....per diem.....	1	2 (temp.)	helper.....	Wages:				Temporary laborer.....per month..	25.00	..	1	Salaries.....	\$12,450.00	\$15,794.74	Wages.....	300.00	Other objects of expenditure:				Traveling expenses.....	5,030.00	3,738.36	Equipment and material.....	4,400.00	3,218.17	Miscellaneous items.....	2,500.00	1,322.71	Total.....	24,380.00	24,373.98		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.																																																																																											
Salaries:		<i>Number.</i>	<i>Number.</i>																																																																																											
Cotton technologist.....per annum..	{ \$3,600.00	1	1																																																																																											
Assistant in cotton marketing.....do....	2,760.00	1	..																																																																																											
Assistants in cotton marketing.....do....	1,800.00	1	3 (2 temp.)																																																																																											
Scientific assistant.....do.....	1,620.00	..	1 (3½ mos.)																																																																																											
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* Transferred to statutory roll in Agricultural act for 1917.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—Continued.</i>					
<i>Cotton Testing.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Assistant in cotton testing.....per annum..	\$2,040.00	1	1		
Assistant in agricultural technology.....do....	1,500.00	1	1		
Assistants in agricultural technology.....do....	1,440.00	3	3 (1 for 10½ mos.)		
Assistant in cotton classing.....do....	1,400.00	1	1		
Mechanical assistant, clerk, map tracer, laboratory aids, and charwoman, \$1,380 to \$480*.....per annum..			6		
Clerks, cotton classers' helpers, and agents—\$1,200 to \$840.....per annum..		2	3 (1 for 9 mos.)		
\$5.75 and \$5.....per diem..			3 (temp.)		
Wages:					
Unskilled laborer**.....per annum..	660.00		1		
Miscellaneous and temporary labor.....per month..	25.00		1		
labor.....per diem..	3.50		1		
Salaries.....		\$10,940.00	\$13,965.12		
Wages.....			852.50		
Other objects of expenditure:					
Stationery.....		300.00	583.47		
Traveling expenses.....		4,450.00	4,293.46		
Equipment and material.....		11,600.00	7,679.38		
Miscellaneous items.....		1,330.00	1,169.11		
Total.....		28,620.00	28,543.04		

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

- (54) To enable the Secretary of Agriculture to make studies of co-operation among farmers in the United States in matters of rural credits and of other forms of cooperation in rural communities; to diffuse among the people of the United States useful information growing out of these studies, in order to provide a basis for a broader utilization of results secured by the research, experimental, and demonstration work of the Department of Agriculture, agricultural colleges, and State experiment stations **[\$32,860]** (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1)..... \$30,760.00

NOTE.—There is an apparent decrease of \$2,100 in this item, due to transfer to the statutory roll of one clerk at \$1,100 and one clerk at \$1,000.

Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Specialist.....per annum..	\$3,500.00	1	1		
Specialist.....per month..	300.00		1 (temp.)		
Investigator.....per annum..	2,760.00	1			
Investigators.....do....	2,400.00	2			
Investigator.....do....	2,100.00		1		
Investigator.....do....	2,000.00	1	1		
Assistant in rural cooperation.....do....	1,800.00	1	1 (temp.)		
Assistants in rural cooperation.....do....	1,620.00	3	2		
Clerks and charwoman, \$1,400 to \$240*.....do....			5		
Clerk **.....do....	1,100.00		1		
Clerk **.....do....	1,000.00		1		
Clerks, messenger boy, agent, and collaborators, \$1,000 to \$1.....per annum..			24 (15 temp.)		
Wages:					
Laborers, \$780 and \$600.....do....			2 (1 for 4 mos.)		
Temporary laborers.....per month..	25.00		2 (temp.)		
Salaries.....		\$19,720.00	\$20,741.37		
Wages.....			1,270.00		
Other objects of expenditure:					
Stationery.....		850.00	1,160.93		
Traveling expenses.....		5,800.00	3,345.40		
Equipment and material.....		3,005.00	2,429.65		
Miscellaneous items.....		1,385.00	149.25		
Total.....		30,760.00	29,096.60		

* Transferred to statutory roll in Agricultural act for 1917.

** Transferred to statutory roll in estimates for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																
<p><i>General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—Continued.</i></p> <p>(55) To enable the Secretary of Agriculture to cooperate with the several States in the employment of agents to acquire and diffuse useful information connected with the distribution and marketing of farm products through investigational, demonstrational, or extension methods [\$35,000] (<i>acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1</i>) - \$51, 600. 00</p> <p>NOTE.—There is an increase of \$16,600 in this item. This sum will enable the department to take advantage of offers from several States for cooperation in marketing work.</p> <p>This work will be carried on in cooperation with States which appropriate money for marketing purposes through the employment of specialists or agents in marketing and such other assistants and facilities as may be necessary. These agents will maintain headquarters in the various States concerned, and their salaries and expenses will be borne jointly by the Federal Government and the States. As a general rule, the States contribute more to the support of this work than does the Federal Government.</p> <p>Experience in several States has demonstrated that, if this work is properly conducted, material service can be rendered in the way of coordinating the activities of the States and the Federal Government relating to marketing. Prior to the inauguration of this work it was not possible to keep in intimate contact with the various State agencies in working out their marketing problems. There are always a large number of problems which are peculiar to individual States and, in order that they may receive necessary attention, it is essential that they be handled by men thoroughly familiar with the local conditions and the viewpoint of the community concerned.</p> <table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Assistant in charge of marketing work, per annum.....</td><td>\$3, 000. 00</td><td>1</td><td>..</td></tr><tr><td>Assistant in marketing work..... per annum..</td><td>2, 500. 00</td><td>1</td><td>..</td></tr><tr><td>Agents (part of salary paid by department in cooperation with State, average \$2,000 each), per annum.....</td><td>2, 000. 00</td><td>14</td><td>..</td></tr><tr><td>Agent..... per annum..</td><td>1, 600. 00</td><td>1</td><td>..</td></tr><tr><td>Agents (part of salary paid by department in cooperation with State, average \$1,500 each), per annum.....</td><td>1, 500. 00</td><td>4</td><td>..</td></tr><tr><td>Agent..... per annum..</td><td>1, 020. 00</td><td>1</td><td>..</td></tr><tr><td>Clerk..... do.....</td><td>1, 600. 00</td><td>1</td><td>..</td></tr><tr><td>Collaborators..... do.....</td><td>300. 00</td><td>5</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$43, 720. 00</td><td>.....</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>4, 950. 00</td><td>.....</td></tr><tr><td>Equipment and material.....</td><td></td><td>1, 150. 00</td><td>.....</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1, 780. 00</td><td>.....</td></tr><tr><td>Total.....</td><td></td><td>51, 600. 00</td><td>.....</td></tr></table> <p>* No appropriation for fiscal year 1916.</p> <p>(56) For investigating the handling, grading, and transportation of grain, including the grain sorghums, [and the] for the purpose of fixing [of] definite grades thereof [\$88,770] (<i>same acts</i>)... 106, 590. 00</p> <p>NOTE.—This represents a transfer from the Bureau of Plant Industry of the item carrying \$88,770 for grain-standardization investigations, with an apparent increase of \$17,820, but, taking into consideration transfers to the statutory roll aggregating \$3,060, the actual increase is \$20,880. This sum is needed to carry on the investigational work relating to the handling and transportation of grain and the determination of standards required under the terms of the United States grain-standards act. It is proposed to combine so far as practicable all the investigational work on grain standards under this item and to provide for the regulatory work under the appropriation for the enforcement of the United States grain-standards act.</p> <p>A slight change in the language of the paragraph is recommended for the purpose of eliminating the authority to fix standards under the item. Authority to fix standards is included in the grain-standards act.</p>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:		Number.	Number.	Assistant in charge of marketing work, per annum.....	\$3, 000. 00	1	..	Assistant in marketing work..... per annum..	2, 500. 00	1	..	Agents (part of salary paid by department in cooperation with State, average \$2,000 each), per annum.....	2, 000. 00	14	..	Agent..... per annum..	1, 600. 00	1	..	Agents (part of salary paid by department in cooperation with State, average \$1,500 each), per annum.....	1, 500. 00	4	..	Agent..... per annum..	1, 020. 00	1	..	Clerk..... do.....	1, 600. 00	1	..	Collaborators..... do.....	300. 00	5	..	Salaries.....		\$43, 720. 00	Other objects of expenditure:				Traveling expenses.....		4, 950. 00	Equipment and material.....		1, 150. 00	Miscellaneous items.....		1, 780. 00	Total.....		51, 600. 00		
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
General Expenses, [Office of Markets and Rural Organization] Bureau of Markets—Continued.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Crop technologist in charge..... per annum..	\$3,750.00	1	1		
Assistant in grain standardization.....do....	3,240.00	1	1		
Assistants in grain standardization.....do....	2,280.00	1	1		
Assistant in grain standardization.....do....	2,040.00	2	2		
Assistant in grain standardization.....do....	1,860.00	1	1		
Assistants in grain standardization.....do....	1,800.00	9	6		
Assistants in grain standardization.....do....	1,620.00	3	4		
Assistants in grain standardization.....do....	1,400.00	..	2		
Assistant in grain standardization.....do....	1,200.00	..	1		
Scientific assistants.....do....	1,800.00	2	..		
Scientific assistant.....do....	1,680.00	1	1		
Scientific assistants.....do....	1,620.00	4	..		
Scientific assistants.....do....	1,500.00	2	1		
Scientific assistants.....do....	1,400.00	5	..		
Scientific assistants.....do....	1,200.00	1	2		
Aids in grain standardization.....do....	1,620.00	2	..		
Aids in grain standardization.....do....	1,440.00	2	2		
Aid in grain standardization.....do....	1,400.00	1	1		
Aid in grain standardization.....do....	1,320.00	1	1		
Aids in grain standardization.....do....	1,200.00	5	5		
Aids in grain standardization, \$1,080 to \$600, do....	..	..	7		
Messenger boy, clerk, collaborators, and student assistants, \$900 to \$1..... per annum..	..	5	14 (8 temp.)		
Wages:					
Temporary laborers .. { \$720 to \$300..... per annum..	..	2	5		
.. { \$3.36 and \$2.50..... per diem..	..	..	2		
Salaries.....		\$73,507.00	\$54,098.16		
Wages.....		300.00	800.00		
Other objects of expenditure:					
Stationery.....		500.00	1,335.44		
Traveling expenses.....		10,000.00	6,489.25		
Equipment and material.....		15,000.00	2,190.23		
Miscellaneous items.....		7,283.00	8,729.29		
Total.....		106,590.00	73,642.37		
(57) For general administrative expenses in connection with the lines of investigation, experiment, and demonstration conducted in the [Office of Markets and Rural Organization] Bureau of Markets [\$19,500] (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1, and Aug. 11, 1916, vol. 39, pp. 473, 474, sec. 1)				\$20,105.00	
NOTE.—There is an apparent increase of \$605 in this item, but taking into consideration transfers to the statutory roll aggregating \$13,960, the actual increase is \$14,565. This sum is needed to provide for the overhead expenses incident to the large amount of new work devolving upon the bureau. The administrative work of the bureau is so centralized that many expenses are paid from this item which otherwise would be distributed among the various projects and sections and to some extent duplicated. It is believed that this centralization not only is economical but adds materially to the efficient operation of the work of the bureau.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Salaries:		Number.	Number.		
Assistant chief of bureau..... per annum..	\$4,000.00	1	..		
Scientific assistant.....do....	1,800.00	1	1		
Chief of office, clerk, photographer, messenger boy, and charwoman, \$4,500 to \$480*, per annum.....	..	..	4 (1 for 4 mos.)		
Clerks, messenger boy, and charwoman, \$1,200 to \$240..... per annum..	..	..	12 (temp.)		
Wages:					
Skilled laborer *.....do....	720.00	..	1		
Skilled laborer **.....do....	900.00	..	1		
Miscellaneous and tempo- \$600 to \$300.....do....	..	..	3		
rary labor..... { \$4..... per diem..	..	..	1		
Salaries.....		\$5,800.00	\$13,301.35		
Wages.....		..	446.83		
Other objects of expenditure:					
Stationery.....		3,250.00	1,308.15		
Traveling expenses.....		2,930.00	1,650.69		
Equipment and material.....		4,350.00	4,646.84		
Telegraph and telephone service.....		375.00	60.00		
Miscellaneous items.....		3,400.00	355.00		
Total.....		20,105.00	21,768.86		
* Transferred to statutory roll in Agricultural act for 1917.					
** Transferred to statutory roll in estimates for 1918.					
In all, for general expenses				\$808,995.00	\$621,960.00
Appropriations for 1914.....	\$50,000	Estimates for 1915.....	\$194,140		
Appropriations for 1915.....	1240,000	Estimates for 1916.....	376,595		
Appropriations for 1916.....	352,650	Estimates for 1917.....	579,421		
Appropriations for 1917.....	621,960	Estimates for 1918.....	808,995		

1 Includes investigation of rural cooperation, \$40,000.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Enforcement of the United States Cotton-Futures Act—</i>		
(58) To enable the Secretary of Agriculture to carry into effect the provisions of the United States cotton-futures act, including all expenses necessary for the purchase of equipment and supplies; for travel; for the employment of persons in the city of Washington and elsewhere; and for all other expenses, including rent outside of the District of Columbia, that may be necessary in executing the provisions of this act ["\$120,750"] \$98,600 (<i>acts May 23, 1908, vol. 35, p. 256, sec. 1; June 30, 1914, vol. 38, p. 422, sec. 1; Aug. 18, 1914, vol. 38, pp. 693-698, secs. 1-21; Mar. 4, 1915, vol. 38, p. 1112, sec. 1, and Aug. 11, 1916, pp. 476-482, secs. 1-22</i>)	\$98,600.00	\$120,750.00

NOTE.—There is an apparent decrease of \$22,150 in this item, but, taking into consideration the transfer of one messenger boy or laborer at \$480 and one messenger boy at \$360 to the statutory roll of the Bureau of Markets and one photographer at \$1,400 to the statutory roll of the Division of Publications, aggregating \$2,240, the actual decrease is \$19,910.

Owing to the loss of eight of its experienced cotton men, who resigned during this year to accept positions outside of the department, much work which was planned for the present year could not be taken up. The bureau consequently has been left with a larger balance of the continuing appropriation than was expected. This obviates the necessity for as large an appropriation for the fiscal year 1918 as that available under the current act.

Under the circumstances brought about by the loss of the assistants referred to above, the expenditures for the current year from the continuing appropriation will not exceed \$26,000. This with the present appropriation of \$120,750 under "Enforcement of the United States cotton-futures act," will provide for the expenditure of approximately \$146,000 during the fiscal year 1917. A balance of \$40,000 will be left for expenditure in 1918, which, together with the \$98,600 requested under this item, will permit of expenditures totaling about \$140,000 in 1918.

The number of disputes that may arise in a fiscal year is wholly indeterminate, depending upon the course of the price of cotton in the great future markets. In a receding market, where the differences between delivery months are likely to be insufficient to cover interest, storage, and other carrying charges, large volume of deliveries is likely to take place, and the department must be prepared to handle disputes that will arise under such conditions. During 4½ months of the fiscal year 1915, 418 disputes, involving 39,053 bales of cotton, were submitted; during the fiscal year 1916, 689 disputes, involving 32,438 bales, were determined. This year again the work on disputes promises to be relatively light. The requirements for this work in the fiscal year 1918 may be radically different from the requirements for the present fiscal year, and it is believed to be a wise course to carry a fair balance of the continuing appropriation over to the next year when it may be needed.

Employees	Rate.	Estimated, 1918.	Expended, 1916.
Salaries:		<i>Number.</i>	<i>Number.</i>
Cotton technologist.....per annum..	\$3,000.00	..	1 (temp.)
Specialist.....do....	3,000.00	1	1
Specialist.....do....	2,640.00	1	1
Specialist.....do....	2,500.00	1	1
Specialist.....do....	2,400.00	1	..
Specialists.....do....	2,100.00	2	..
Investigators.....do....	2,100.00	..	2 (1 for 2½ mos.; 1 for 1½ mos.)
Assistant in cotton business methods.....do....	2,400.00	1	1
Assistants in cotton business methods.....do....	2,250.00	1	2 (1 temp.)
Assistants in cotton classing and business methods.....per annum..	2,100.00	2	3
Assistant in manuscripts.....do....	1,980.00	..	1 (1 mo.)
Assistant in cotton marketing.....do....	1,920.00	1	..
Assistants in cotton marketing and business methods.....per annum..	1,800.00	1	7
Assistants in cotton classing.....do....	1,620.00	2	..
Assistants in agricultural technology and cotton classing.....per annum..	1,440.00	..	2 (1 for 1 mo.)
Assistants in cotton classing.....do....	1,400.00	8	5 (1 for 7 mos.)
Field station leaders.....do....	2,100.00	3	..
Administrative assistant, clerks, photographer, telegraph operator, laboratory aids, and map tracer, \$1,980 to \$480 *.....per annum..	..	..	16
Supervising telegrapher **.....do....	1,620.00	..	1
Cotton classers' helpers, clerks, laboratory aids, messenger boy, and student assistants, \$1,200 to \$300.....per annum..	..	2	13 (temp.)

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Enforcement of the United States Cotton-Futures Act—Continued.</i>					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
Wages:		Number.	Number.		
Laborers, \$660 to \$480 *.....per annum.....		6			
Skilled laborer **.....do.....	\$480.00	1			
Elevator conductor.....do.....	600.00	1			
Miscellaneous temporary labor.....do.....		11			
.....\$3.50.....per diem.....		1			
Salaries.....		\$49,730.00	\$45,516.95		
Wages.....			7,485.50		
Other objects of expenditure:					
Stationery.....		1,850.00	402.37		
Traveling expenses.....		10,730.00	7,647.85		
Equipment and material.....		22,590.00	2,591.43		
Telegraph and telephone service.....		2,650.00	1,200.00		
Miscellaneous items.....		11,050.00	1,324.02		
Total.....		98,600.00	66,168.12		
*Transferred to statutory roll in Agricultural act for 1917.					
**Transferred to statutory roll in estimates for 1918.					
Appropriation for 1916.....	\$75,000	Estimates for 1917.....	\$120,750		
Appropriation for 1917.....	120,750	Estimates for 1918.....	98,600		

Enforcement of the United States Grain-Standards Act—

- (59) *To enable the Secretary of Agriculture to carry into effect the provisions of the United States Grain-Standards Act, including such rent and the employment of such persons and means as the Secretary of Agriculture may deem necessary, in the city of Washington and elsewhere (submitted)*.....

\$519,140.00

NOTE.—The above paragraph appears as a new item under the Bureau of Markets, but as \$250,000 was provided in the miscellaneous section of the agricultural act for 1917 for the enforcement of the grain-standards act, the apparent increase for this work is \$269,140. Taking into consideration transfers to the statutory roll aggregating \$2,200, however, the actual increase for regulatory work in the enforcement of the grain-standards act is \$271,340. As explained in the note under item 56, the investigational work has been separated from the regulatory work and will be financed out of the \$106,590 provided herein.

In the enforcement of this act it is planned to divide the country into eight main divisions. At some appropriate market in each division will be located a division supervisor. It will be necessary to provide each of these officers with an efficient clerk. The division supervisors will travel over their territory to the various points at which supervision is conducted, their duties being to see that uniformity of inspection prevails in all of the markets under their jurisdiction. They also may assist, when necessary, in forming boards of appeal.

It is estimated that it will be necessary to station supervisors of inspection at approximately 39 markets. Three of these markets (Chicago, Minneapolis, and Kansas City) will require also two additional supervisors, and 16 markets (St. Louis, New Orleans, New York, Boston, Baltimore, Philadelphia, Buffalo, Toledo, Duluth, Portland, Seattle, Peoria, Indianapolis, San Francisco, Milwaukee, and Wichita) will require one assistant supervisor. These supervisors and assistant supervisors will serve as a board of appeals, and as it is necessary that appeals and disputes be handled as promptly as possible a board of two or more supervisors must be provided in all of the principal market centers.

The markets at which there will be no assistant supervisors are Denver, Fort Worth, Galveston, Memphis, Louisville, Nashville, Atlanta, Cincinnati, Detroit, Cleveland, New York, New Orleans, Great Falls, Mont., Fargo, N. Dak., Oklahoma City, and Cairo, Ill.

All the markets having supervisors, as well as the division supervisors, will require at least one assistant, at an estimated salary of \$1,620. Three of these markets (Chicago, Minneapolis, and Kansas City) will require at least two such employees. At all the markets at which there is a board of two supervisors it is estimated that another assistant, at an approximate salary of \$1,500 per annum, must be provided and that it will be necessary to provide one laboratory assistant at approximately \$1,400 per annum in 10 cities, to be selected from the following list: Chicago, Minneapolis, Kansas City, St. Louis, New York, Baltimore, New Orleans, Portland, Seattle, Duluth, Milwaukee, and Buffalo.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																												
Enforcement of the United States Grain-Standards Act—Continued.																																																																																																														
<p>An estimate of \$10,500 has been made for rent in the field. This would be entirely insufficient were it not possible to make use of offices secured for other projects, including those now rented by the Office of Grain Standardization of the Bureau of Plant Industry. The Chicago grain-standardization office at present pays \$1,800 per annum rental.</p> <p>In addition to the organization outside of Washington in connection with the enforcement of the grain-standards act, a chief inspector will be stationed in Washington. He will have charge of the regulatory projects under the act. Under him three supervisors will be placed to head the projects "Appeals and disputes," "Licensing of inspectors," and "Supervision of inspection." Under him also will be placed five specialists—grain experts capable of checking up all samples involved in appeals and disputes—in order to insure uniform application of the official grain standards in all parts of the country, and also four assistant supervisors to act as field representatives of the bureau in directing the work of the division and market supervisors throughout the United States.</p> <p>The plans for the enforcement of the act have received the most careful consideration. The department is convinced that the requisite machinery for the prompt and effective handling of the work can not be provided unless the sum recommended in the item, as well as that included in item 56, is made available. Considering the magnitude of the task involved, the estimate is regarded as very conservative.</p>																																																																																																														
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr></thead><tbody><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Supervisor of inspection.....per annum..</td><td>\$3,500.00</td><td>1</td><td>..</td></tr><tr><td>Supervisors of inspection.....do.....</td><td>3,000.00</td><td>3</td><td>..</td></tr><tr><td>Supervisors of inspection.....do.....</td><td>2,700.00</td><td>39</td><td>..</td></tr><tr><td>Assistant supervisors of inspection.....do.....</td><td>2,400.00</td><td>4</td><td>..</td></tr><tr><td>Assistant supervisors of inspection.....do.....</td><td>2,000.00</td><td>22</td><td>..</td></tr><tr><td>District supervisors.....do.....</td><td>3,000.00</td><td>8</td><td>..</td></tr><tr><td>Specialists in grain standardization.....do.....</td><td>2,500.00</td><td>5</td><td>..</td></tr><tr><td>Investigator.....do.....</td><td>2,490.00</td><td>1 (temp.)</td><td>..</td></tr><tr><td>Assistants in determining appeals and disputes.....per annum..</td><td>2,000.00</td><td>2</td><td>..</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,800.00</td><td>6</td><td>..</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,620.00</td><td>50</td><td>..</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,500.00</td><td>16</td><td>..</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,400.00</td><td>5</td><td>..</td></tr><tr><td>Clerk.....do.....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Clerks.....do.....</td><td>1,400.00</td><td>11</td><td>..</td></tr><tr><td>Clerks.....do.....</td><td>1,200.00</td><td>25</td><td>..</td></tr><tr><td>Clerks.....do.....</td><td>1,000.00</td><td>20</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$405,440.00</td><td></td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>4,200.00</td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>50,600.00</td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>16,500.00</td><td></td></tr><tr><td>Telegraph and telephone service.....</td><td></td><td>5,200.00</td><td></td></tr><tr><td>Miscellaneous items.....</td><td></td><td>37,200.00</td><td></td></tr><tr><td>Total.....</td><td></td><td>519,140.00</td><td></td></tr></tbody></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:		Number.	Number.	Supervisor of inspection.....per annum..	\$3,500.00	1	..	Supervisors of inspection.....do.....	3,000.00	3	..	Supervisors of inspection.....do.....	2,700.00	39	..	Assistant supervisors of inspection.....do.....	2,400.00	4	..	Assistant supervisors of inspection.....do.....	2,000.00	22	..	District supervisors.....do.....	3,000.00	8	..	Specialists in grain standardization.....do.....	2,500.00	5	..	Investigator.....do.....	2,490.00	1 (temp.)	..	Assistants in determining appeals and disputes.....per annum..	2,000.00	2	..	Scientific assistants.....do.....	1,800.00	6	..	Scientific assistants.....do.....	1,620.00	50	..	Scientific assistants.....do.....	1,500.00	16	..	Scientific assistants.....do.....	1,400.00	5	..	Clerk.....do.....	1,800.00	1	..	Clerks.....do.....	1,400.00	11	..	Clerks.....do.....	1,200.00	25	..	Clerks.....do.....	1,000.00	20	..	Salaries.....		\$405,440.00		Other objects of expenditure:				Stationery.....		4,200.00		Traveling expenses.....		50,600.00		Equipment and material.....		16,500.00		Telegraph and telephone service.....		5,200.00		Miscellaneous items.....		37,200.00		Total.....		519,140.00			
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Supervisors of inspection.....do.....	2,700.00	39	..																																																																																																											
Assistant supervisors of inspection.....do.....	2,400.00	4	..																																																																																																											
Assistant supervisors of inspection.....do.....	2,000.00	22	..																																																																																																											
District supervisors.....do.....	3,000.00	8	..																																																																																																											
Specialists in grain standardization.....do.....	2,500.00	5	..																																																																																																											
Investigator.....do.....	2,490.00	1 (temp.)	..																																																																																																											
Assistants in determining appeals and disputes.....per annum..	2,000.00	2	..																																																																																																											
Scientific assistants.....do.....	1,800.00	6	..																																																																																																											
Scientific assistants.....do.....	1,620.00	50	..																																																																																																											
Scientific assistants.....do.....	1,500.00	16	..																																																																																																											
Scientific assistants.....do.....	1,400.00	5	..																																																																																																											
Clerk.....do.....	1,800.00	1	..																																																																																																											
Clerks.....do.....	1,400.00	11	..																																																																																																											
Clerks.....do.....	1,200.00	25	..																																																																																																											
Clerks.....do.....	1,000.00	20	..																																																																																																											
Salaries.....		\$405,440.00																																																																																																												
Other objects of expenditure:																																																																																																														
Stationery.....		4,200.00																																																																																																												
Traveling expenses.....		50,600.00																																																																																																												
Equipment and material.....		16,500.00																																																																																																												
Telegraph and telephone service.....		5,200.00																																																																																																												
Miscellaneous items.....		37,200.00																																																																																																												
Total.....		519,140.00																																																																																																												
<p>* No appropriation for fiscal year 1916.</p> <p>Appropriations for 1917..... \$250,000 Estimates for 1918..... \$519,140</p>																																																																																																														
Administration of the United States Warehouse Act—																																																																																																														
(60) <i>To enable the Secretary of Agriculture to carry into effect the provisions of the United States warehouse act, including the payment of such rent and the employment of such persons and means as the Secretary of Agriculture may deem necessary, in the city of Washington and elsewhere (submitted)</i>	\$59,620.00																																																																																																													
<p>NOTE.—This paragraph appears as a new item under the Bureau of Markets, but, as \$50,000 was provided in the miscellaneous section of the agricultural act for 1917 for the administration of the warehouse act, the actual increase for this work is only \$9,620. For the proper administration of the act it will be desirable to establish at least two field stations from which to conduct warehouse inspections and investigations, and this estimate of \$59,620 provides for the operation of these stations and other expenses believed to be necessary for a well-balanced organization for the administration of the act.</p>																																																																																																														

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																												
Administration of the United States Warehouse Act—Continued.																																																														
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr></thead><tbody><tr><td>Salaries:</td><td></td><td></td><td></td></tr><tr><td>Assistants in warehouse investigations, per annum</td><td>\$2,400.00</td><td>Number. 4</td><td>Number. ..</td></tr><tr><td>Assistant in warehouse investigations.....do</td><td>2,280.00</td><td>1</td><td>..</td></tr><tr><td>Assistants in warehouse investigations.....do</td><td>1,620.00</td><td>2</td><td>..</td></tr><tr><td>Warehouse inspectors.....do</td><td>1,800.00</td><td>4</td><td>..</td></tr><tr><td>Assistants in charge of field stations.....do</td><td>2,100.00</td><td>3</td><td>..</td></tr><tr><td>Clerk.....do</td><td>1,600.00</td><td>1</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$30,220.00</td><td></td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>1,500.00</td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>12,000.00</td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>7,500.00</td><td></td></tr><tr><td>Miscellaneous items.....</td><td></td><td>8,400.00</td><td></td></tr><tr><td>Total.....</td><td></td><td>59,620.00</td><td></td></tr></tbody></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:				Assistants in warehouse investigations, per annum	\$2,400.00	Number. 4	Number. ..	Assistant in warehouse investigations.....do	2,280.00	1	..	Assistants in warehouse investigations.....do	1,620.00	2	..	Warehouse inspectors.....do	1,800.00	4	..	Assistants in charge of field stations.....do	2,100.00	3	..	Clerk.....do	1,600.00	1	..	Salaries.....		\$30,220.00		Other objects of expenditure:				Stationery.....		1,500.00		Traveling expenses.....		12,000.00		Equipment and material.....		7,500.00		Miscellaneous items.....		8,400.00		Total.....		59,620.00			
Employees.	Rate.	Estimated, 1918.	Expended, 1916.*																																																											
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GENERAL EXPENSES, OFFICE OF MARKETS AND RURAL ORGANIZATION.																																																														
2 clerks, at \$1,400 per annum each. 19 clerks, at \$1,200 per annum each. 2 clerks, at \$1,140 per annum each. 3 clerks, at \$1,100 per annum each. 4 clerks, at \$1,080 per annum each. 2 clerks, at \$1,020 per annum each. 22 clerks, at \$1,000 per annum each. 21 clerks, at \$900 per annum each. 2 clerks, at \$840 per annum each. 5 clerks, at \$720 per annum each. 2 statistical clerks, at \$900 per annum each. 2 telegraph operators, at \$1,400 per annum each. 1 telegraph operator, \$1,200 per annum. 1 telegraph operator, \$1,000 per annum.																																																														
ENFORCEMENT OF THE UNITED STATES COTTON-FUTURES ACT.																																																														
1 clerk, \$1,800 per annum. 2 clerks, at \$1,400 per annum each. 1 clerk, \$1,320 per annum. 4 clerks, at \$1,200 per annum each. 2 clerks, at \$1,020 per annum each. 4 clerks, at \$1,000 per annum each. 2 clerks, at \$900 per annum each. 1 supervising telegrapher, \$1,620 per annum.																																																														
Total for [Office of Markets and Rural Organization] Bureau of Markets.....	\$1,684,775.00	\$872,590.00																																																												

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
ENFORCEMENT OF THE INSECTICIDE ACT.		
<i>Salaries, Enforcement of the Insecticide Act—</i>		
(1) One executive officer (<i>R. S.</i> , p. 87, secs. 520-523; acts Apr. 26, 1910, vol. 36, pp. 331-335, secs. 1-14, and Aug. 11, 1916, vol. 39, p. 474, sec. 1)	\$2, 750. 00	
(2) One executive assistant (<i>same acts</i>)	2, 000. 00	
(3) One clerk, class 3 (<i>same acts</i>)	1, 600. 00	
(4) One clerk, class 2 (<i>same acts</i>)	1, 400. 00	
(5) One clerk, class 1 (<i>same acts</i>)	1, 200. 00	
(6) Two clerks, at \$1,140 each (<i>same acts</i>)	2, 280. 00	
(7) Two clerks, at \$1,000 each (<i>same acts</i>)	2, 000. 00	
(8) Two insecticide and fungicide inspectors, at \$1,800 each (in lieu of 2 insecticide and fungicide inspectors, at \$1,600 each, with increase of \$200 each) (<i>same acts</i>)	3, 600. 00	
NOTE.—This change will permit the promotion of 2 insecticide and fungicide inspectors from \$1,600 to \$1,800. The present salary of these inspectors is lower than that paid employees performing similar work in other branches of the department. The limited number of inspectors engaged in inspection work and in the collection of samples makes it necessary for each to cover a number of States and to perform continuous travel throughout the year. These inspectors have rendered efficient and faithful service and the increase recommended is fully warranted. One of them was last promoted on May 1, 1913, and the other on January 1, 1914.		
(9) One insecticide and fungicide inspector (decrease of 2 by change to 2 insecticide and fungicide inspectors, at \$1,800 each) (<i>same acts</i>)	1, 600. 00	
NOTE.—See note under item 8.		
(10) Two clerks and sample collectors, at \$1,200 each (in lieu of 2 clerks and sample collectors, at \$1,000 each, with increase of \$200 each) (<i>same acts</i>)	2, 400. 00	
NOTE.—This change will permit the promotion of one clerk and sample collector from \$1,140 to \$1,200 and one from \$1,000 to \$1,200, and of one clerk from \$1,000 to \$1,140. The first two devote a portion of their time to clerical work and a part to the collection of insecticide and fungicide samples and to inspection work. They have become very efficient in this field work. The clerk at \$1,000 does important stenographic work in connection with chemical laboratory investigations and deserves the small increase recommended.		
(11) Two clerks and sample collectors, at \$1,000 each changed to two clerks and sample collectors, at \$1,200 each.		
NOTE.—See note under item 10.		
(12) One laboratory helper (<i>same acts</i>)	840. 00	
(13) One laboratory helper (<i>same acts</i>)	720. 00	
(14) One laboratory helper (<i>same acts</i>)	600. 00	
(15) One unskilled laborer (<i>same acts</i>)	600. 00	
(16) One unskilled laborer (<i>same acts</i>)	480. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>Salaries, Enforcement of the Insecticide Act—Continued.</i>		
(17) Three messenger boys or laborers, at \$480 each (1 in lieu of 1 messenger boy, \$480, 1 in lieu of 1 messenger boy, \$360, with increase of \$120, and 1 by transfer from lump fund) (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Apr. 26, 1910, vol. 36, pp. 331-335, secs. 1-14, and Aug. 11, 1916, vol. 39, p. 474, sec. 1</i>) -----	\$1, 440. 00	
NOTE.—This involves a change in title of two messenger boys, so as to make it possible to group all employees of this grade under one item and to permit greater flexibility in filling vacancies. It will permit the promotion of a very efficient and reliable messenger boy from \$360 to \$480. This employee has served in the department for 3½ years, without salary increase during that time.		
(18) [One messenger boy, \$480, changed to one messenger boy or laborer, \$480.]		
NOTE.—See note under item 17.		
(19) [One messenger boy, \$360, changed to one messenger boy or laborer, \$480.]		
NOTE.—See note under item 17.		
(20) One charwoman (<i>same acts</i>) -----	480. 00	
	\$25, 990. 00	\$24, 590. 00
Appropriations for 1916..... ⁽¹⁾ Estimates for 1917..... \$24, 590 Appropriations for 1917..... \$24, 590 Estimates for 1918..... 25, 990		
¹ Salaries paid from lump fund appropriation for enforcement of the insecticide act.		
NOTE.—Apparent increase, \$1,400; actual increase, \$920, as follows:		
<i>Promotions.</i>		
2 insecticide and fungicide inspectors, from \$1,600 each, to \$1,800 each. \$400 1 clerk and sample collector, from \$1,140 to \$1,200..... 60 1 clerk and sample collector, from \$1,000 to \$1,200..... 200 1 clerk, from \$1,000 to \$1,140..... 140 1 messenger boy, \$360, to 1 messenger boy or laborer, \$480..... 120		
Actual increase.....	920	
<i>Transfer from lump fund of this office, which fund has been correspondingly reduced.</i>		
1 messenger boy or laborer.....	480	
Apparent increase.....	1, 400	
<i>Change of title.</i>		
1 messenger boy or laborer, \$480, in lieu of 1 messenger boy, \$480.		
1 messenger boy or laborer, \$480, in lieu of 1 messenger boy, \$360.		
<i>General Expenses, Enforcement of the Insecticide Act—</i>		
(21) For salaries and the employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and for all necessary expenses, as follows (<i>acts Apr. 26, 1910, vol. 36, pp. 331-335, secs. 1-14, and Aug. 11, 1916, vol. 39, p. 474, sec. 1</i>):		
(22) To enable the Secretary of Agriculture to carry into effect the provisions of the act of April 26, 1910, entitled "An act for preventing the manufacture, sale, or transportation of adulterated or misbranded Paris greens, lead arsenates, and other insecticides, and also fungicides, and for regulating traffic therein, and for other purposes" [\$80,410] \$87,430 (<i>same acts</i>) -----	87, 430. 00	80, 410. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																																																																												
<p><i>General Expenses, Enforcement of the Insecticide Act—Continued.</i></p> <p>NOTE.—There is an apparent increase in this item of \$7,020; but, taking into consideration the transfer to the statutory roll of 1 messenger boy or laborer at \$480, the actual increase is \$7,500. The appropriation for last year was increased by \$5,000, which was only sufficient to employ a bacteriological assistant and to pay the salaries and expenses of temporary assistants for field testing work. It was impossible to enlarge the force of chemists to take care of the increased number of samples collected by our larger inspection force. The campaign which has been begun on disinfectants and germicides will materially increase the amount of routine and investigative chemical work. Furthermore, the forces of plant pathologists and entomologists employed for testing work are not sufficiently large to examine the current samples collected by the inspectors, and it will be necessary to secure additional assistance, so that cases may be promptly reported to the courts. The great advance in the cost of chemicals used in the examination of insecticides and fungicides also has materially increased the expense of the work.</p> <table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chairman.....per annum..</td><td>\$3,800.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>2,760.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>2,640.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>2,280.00</td><td>2</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>2,220.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Scientific assistants.....do....</td><td>2,000.00</td><td>3</td><td>3 (1 temp.)</td></tr><tr><td>Scientific assistant.....do....</td><td>1,980.00</td><td>1</td><td>..</td></tr><tr><td>Scientific assistant.....do....</td><td>1,860.00</td><td>1</td><td>..</td></tr><tr><td>Scientific assistants.....do....</td><td>1,800.00</td><td>5</td><td>6 (1 temp.)</td></tr><tr><td>Scientific assistant.....do....</td><td>1,740.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>1,620.00</td><td>4</td><td>4</td></tr><tr><td>Scientific assistants.....do....</td><td>1,560.00</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,440.00</td><td>1</td><td>4 (2 temp.)</td></tr><tr><td>Scientific assistant.....do....</td><td>1,400.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>1,200.00</td><td>4</td><td>4 (1 temp.)</td></tr><tr><td>Field assistant, stenographers and typewriters, nurseryman, scientific assistants, charwoman, and collaborator, \$900 to \$300.....per annum..</td><td></td><td>8 (5 temp.)</td><td>6 (4 temp.)</td></tr><tr><td>Executive officer, inspectors, clerks, sample collectors, laboratory helpers, charwoman, and messenger boys, \$2,750 to \$360 *.....per annum..</td><td></td><td></td><td>20</td></tr><tr><td>Messenger boy **.....do....</td><td>480.00</td><td>..</td><td>1</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Laborers, \$600 and \$480 *.....do....</td><td></td><td></td><td>2</td></tr><tr><td>Temporary labor.....per diem..</td><td>3.50</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$50,895.00</td><td>\$65,941.94</td></tr><tr><td>Wages.....</td><td></td><td></td><td>1,185.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>800.00</td><td>744.31</td></tr><tr><td>Traveling expenses.....</td><td></td><td>15,000.00</td><td>9,952.56</td></tr><tr><td>Equipment and material.....</td><td></td><td>10,500.00</td><td>9,614.38</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>10,235.00</td><td>7,718.27</td></tr><tr><td>Total.....</td><td></td><td>87,430.00</td><td>95,156.46</td></tr></table> <p>* Transferred to statutory roll in Agricultural act for 1917. ** Transferred to statutory roll in estimates for 1918.</p> <table><tr><td>Appropriations for 1911.....</td><td>\$35,000</td><td>Estimates for 1912.....</td><td>\$87,000</td></tr><tr><td>Appropriations for 1912.....</td><td>87,000</td><td>Estimates for 1913.....</td><td>100,000</td></tr><tr><td>Appropriations for 1913.....</td><td>87,000</td><td>Estimates for 1914.....</td><td>100,000</td></tr><tr><td>Appropriations for 1914.....</td><td>95,000</td><td>Estimates for 1915.....</td><td>95,000</td></tr><tr><td>Appropriations for 1915.....</td><td>95,000</td><td>Estimates for 1916.....</td><td>107,780</td></tr><tr><td>Appropriations for 1916.....</td><td>100,000</td><td>Estimates for 1917.....</td><td>85,670</td></tr><tr><td>Appropriations for 1917.....</td><td>80,410</td><td>Estimates for 1918.....</td><td>87,430</td></tr></table> <p><i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).</i></p> <p>ENFORCEMENT OF THE INSECTICIDE ACT.</p> <p>Three clerks, at \$900 per annum each.</p> <p>Total for Enforcement of the Insecticide Act.....</p>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Chairman.....per annum..	\$3,800.00	1	1	Scientific assistant.....do....	3,000.00	1	1	Scientific assistant.....do....	2,760.00	1	1	Scientific assistant.....do....	2,640.00	1	1	Scientific assistants.....do....	2,280.00	2	1	Scientific assistant.....do....	2,220.00	1 (temp.)	1 (temp.)	Scientific assistants.....do....	2,000.00	3	3 (1 temp.)	Scientific assistant.....do....	1,980.00	1	..	Scientific assistant.....do....	1,860.00	1	..	Scientific assistants.....do....	1,800.00	5	6 (1 temp.)	Scientific assistant.....do....	1,740.00	1	1	Scientific assistants.....do....	1,620.00	4	4	Scientific assistants.....do....	1,560.00	..	2 (temp.)	Scientific assistants.....do....	1,440.00	1	4 (2 temp.)	Scientific assistant.....do....	1,400.00	1	1	Scientific assistants.....do....	1,200.00	4	4 (1 temp.)	Field assistant, stenographers and typewriters, nurseryman, scientific assistants, charwoman, and collaborator, \$900 to \$300.....per annum..		8 (5 temp.)	6 (4 temp.)	Executive officer, inspectors, clerks, sample collectors, laboratory helpers, charwoman, and messenger boys, \$2,750 to \$360 *.....per annum..			20	Messenger boy **.....do....	480.00	..	1	Wages:				Laborers, \$600 and \$480 *.....do....			2	Temporary labor.....per diem..	3.50	..	1	Salaries.....		\$50,895.00	\$65,941.94	Wages.....			1,185.00	Other objects of expenditure:				Stationery.....		800.00	744.31	Traveling expenses.....		15,000.00	9,952.56	Equipment and material.....		10,500.00	9,614.38	Miscellaneous items.....		10,235.00	7,718.27	Total.....		87,430.00	95,156.46	Appropriations for 1911.....	\$35,000	Estimates for 1912.....	\$87,000	Appropriations for 1912.....	87,000	Estimates for 1913.....	100,000	Appropriations for 1913.....	87,000	Estimates for 1914.....	100,000	Appropriations for 1914.....	95,000	Estimates for 1915.....	95,000	Appropriations for 1915.....	95,000	Estimates for 1916.....	107,780	Appropriations for 1916.....	100,000	Estimates for 1917.....	85,670	Appropriations for 1917.....	80,410	Estimates for 1918.....	87,430	\$113,420.00	\$105,000.00
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Scientific assistant.....do....	1,400.00	1	1																																																																																																																																																											
Scientific assistants.....do....	1,200.00	4	4 (1 temp.)																																																																																																																																																											
Field assistant, stenographers and typewriters, nurseryman, scientific assistants, charwoman, and collaborator, \$900 to \$300.....per annum..		8 (5 temp.)	6 (4 temp.)																																																																																																																																																											
Executive officer, inspectors, clerks, sample collectors, laboratory helpers, charwoman, and messenger boys, \$2,750 to \$360 *.....per annum..			20																																																																																																																																																											
Messenger boy **.....do....	480.00	..	1																																																																																																																																																											
Wages:																																																																																																																																																														
Laborers, \$600 and \$480 *.....do....			2																																																																																																																																																											
Temporary labor.....per diem..	3.50	..	1																																																																																																																																																											
Salaries.....		\$50,895.00	\$65,941.94																																																																																																																																																											
Wages.....			1,185.00																																																																																																																																																											
Other objects of expenditure:																																																																																																																																																														
Stationery.....		800.00	744.31																																																																																																																																																											
Traveling expenses.....		15,000.00	9,952.56																																																																																																																																																											
Equipment and material.....		10,500.00	9,614.38																																																																																																																																																											
Miscellaneous items.....		10,235.00	7,718.27																																																																																																																																																											
Total.....		87,430.00	95,156.46																																																																																																																																																											
Appropriations for 1911.....	\$35,000	Estimates for 1912.....	\$87,000																																																																																																																																																											
Appropriations for 1912.....	87,000	Estimates for 1913.....	100,000																																																																																																																																																											
Appropriations for 1913.....	87,000	Estimates for 1914.....	100,000																																																																																																																																																											
Appropriations for 1914.....	95,000	Estimates for 1915.....	95,000																																																																																																																																																											
Appropriations for 1915.....	95,000	Estimates for 1916.....	107,780																																																																																																																																																											
Appropriations for 1916.....	100,000	Estimates for 1917.....	85,670																																																																																																																																																											
Appropriations for 1917.....	80,410	Estimates for 1918.....	87,430																																																																																																																																																											

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
FEDERAL HORTICULTURAL BOARD.		
<i>Salaries, Federal Horticultural Board—</i>		
(1) One secretary of board (<i>R. S.</i> , p. 87, secs. 520-523; acts <i>Mar. 4, 1913</i> , vol. 37, pp. 853, 854, sec. 1, and <i>Aug. 11, 1916</i> , vol. 39, p. 474, sec. 1) -----	\$2,280.00	
(2) One clerk, class 4 (by transfer from lump fund) (<i>same acts</i>) -----	1,800.00	
(3) Two clerks, at \$1,440 each (<i>same acts</i>) -----	2,880.00	
(4) Two clerks, class 2 (<i>same acts</i>) -----	2,800.00	
(5) Two clerks, at \$1,260 each (<i>same acts</i>) -----	2,520.00	
(6) One clerk (<i>same acts</i>) -----	1,080.00	
(7) Three clerks, at \$1,000 each (increase of 2 by transfer from lump fund) (<i>same acts</i>) -----	3,000.00	
(8) Three clerks, at \$900 each (by transfer from lump fund) (<i>same acts</i>) -----	2,700.00	
(9) One messenger boy (<i>same acts</i>) -----	480.00	
(10) Two messenger boys, at \$360 each (increase of 1 by transfer from lump fund) (<i>same acts</i>) -----	720.00	
(11) One charwoman (<i>same acts</i>) -----	240.00	
Appropriations for 1916..... ⁽¹⁾ Estimates for 1917..... \$13,640 Appropriations for 1917..... \$13,640 Estimates for 1918..... 20,500	\$20,500.00	\$13,640.00
¹ Salaries paid from lump fund.		
NOTE.—Apparent increase, \$6,860; no actual increase, as follows:		
<i>Transfers from lump fund of this board, which fund has been correspondingly reduced.</i>		
1 clerk, class 4	\$1,800	
2 clerks, at \$1,000 each	2,000	
3 clerks, at \$900 each	2,700	
1 messenger boy	360	
Apparent increase	6,860	
<i>General Expenses, Federal Horticultural Board—</i>		
(12) For salaries and the employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and for all other necessary expenses, as follows (<i>acts Mar. 4, 1913</i> , vol. 37, pp. 853, 854, sec. 1, and <i>Aug. 11, 1916</i> , vol. 39, pp. 474, 475, sec. 1):		
(13) To enable the Secretary of Agriculture to carry into effect the provisions of the Act of August twentieth, nineteen hundred and twelve, as amended March fourth, nineteen hundred and thirteen, entitled "An Act to regulate the importation of nursery stock and other plants and plant products; to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests; to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes" [\$61,360] \$54,500 (<i>acts Mar. 4, 1913</i> , vol. 37, pp. 853, 854, sec. 1, and <i>Aug. 11, 1916</i> , vol. 39, pp. 474, 475, sec. 1) -----	54,500.00	61,360.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<i>General Expenses, Federal Horticultural Board—Continued.</i>					
NOTE.—There is an apparent decrease in this item of \$6,860, due to the transfer to the statutory roll of 1 clerk, class 4, 2 clerks at \$1,000 each, 3 clerks at \$900 each, and 1 messenger boy at \$360.					
Employees.	Rate.	Estimated, 1918.	Expended, 1916.		
		Number.	Number.		
Salaries:					
Pathological inspector.....per annum..	\$2,520.00	1	1		
Pathological inspector.....do.....	2,400.00	1	1		
Pathological inspector.....do.....	2,200.00	1	1		
Pathological inspector.....do.....	2,000.00	1	1		
Pathological inspector.....do.....	1,400.00	1	1		
Pathological inspectors.....do.....	1,200.00	1	3 (temp.)		
Entomological inspector.....do.....	2,640.00	1	1		
Entomological inspectors.....do.....	2,400.00	2	2		
Entomological inspectors.....do.....	1,600.00	2	2 (1 temp.)		
Entomological inspector.....do.....	1,500.00	1	1 (temp.)		
Entomological inspector.....do.....	1,400.00	1	1		
Quarantine inspectors.....do.....	2,400.00	2	2		
Quarantine inspector.....do.....	1,600.00	1	1		
Quarantine inspector.....do.....	1,400.00	1	1		
Quarantine inspectors.....do.....	1,200.00	2	3 (1 temp.)		
Secretary of board, clerks, messenger boy and charwoman, \$2,280 to \$240 *.....per annum..			12		
Clerk **.....do.....	1,800.00		1		
Clerks **.....do.....	1,000.00		2		
Clerks **.....do.....	900.00		2		
Messenger boy **.....do.....	360.00		1		
Clerks, messenger boy and collaborators, \$900 to \$1.....per annum..		69 (2 temp.)	89 (24 temp.)		
Wages:					
Temporary laborers, \$2 and \$1.50.....per diem..		2	7		
Salaries.....		\$31,019.00	\$38,442.19		
Wages.....		200.00	76.00		
Other objects of expenditure:					
Stationery.....		1,500.00	784.01		
Traveling expenses.....		13,000.00	8,157.32		
Equipment and material.....		3,000.00	997.23		
Telegraph and telephone service.....		900.00	327.08		
Miscellaneous items.....		4,881.00	1,107.15		
Total.....		54,500.00	49,890.98		
* Transferred to statutory roll in Agricultural bill for 1917.					
** Transferred to statutory roll in estimates for 1918.					
Appropriations for 1914.....	\$40,000	Estimates for 1914.....	\$50,000		
Appropriations for 1915.....	50,000	Estimates for 1915.....	50,000		
Appropriations for 1916.....	50,000	Estimates for 1916.....	50,000		
Appropriations for 1917.....	61,360	Estimates for 1917.....	61,360		
Appropriations for 1918.....		Estimates for 1918.....	51,500		
Statement of clerks employed in District of Columbia under lump fund appropriations for 30 days or more during the fiscal year ended June 30, 1916 (32 Stat., p. 303).					
GENERAL EXPENSES, FEDERAL HORTICULTURAL BOARD.					
1 clerk, \$1,800 per annum.					
2 clerks, at \$1,440 per annum each.					
2 clerks, at \$1,400 per annum each.					
2 clerks, at \$1,260 per annum each.					
1 clerk, \$1,080 per annum.					
3 clerks, at \$1,000 per annum each.					
6 clerks, at \$900 per annum each.					
Total for Federal Horticultural Board.....				\$75,000.00	\$75,000.00
And not to exceed ten per centum of the foregoing amounts for the miscellaneous expenses of the work of any bureau, division, or office herein provided for shall be available interchangeably for expenditures on the objects included within the general expenses of such bureau, division, or office, but no more than ten per centum shall be added to any one item of appropriation except in cases of extraordinary emergency, and then only upon the written order of the Secretary of Agriculture.					
Total, Department of Agriculture, for routine and ordinary work.....				24,596,907.00	23,123,852.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																								
MISCELLANEOUS.																																																																																										
Demonstrations on Reclamation Projects—																																																																																										
(1) To enable the Secretary of Agriculture to encourage and aid in the agricultural development of the Government reclamation projects; to assist, through demonstrations, advice, and in other ways, settlers on the projects; and for the employment of persons and means necessary in the city of Washington and elsewhere ["\$40,000"] \$50,000 (<i>acts June 30, 1914, vol. 38, p. 440, sec. 1, and Aug. 11, 1916, vol. 39, p. 475, sec. 1</i>) -----	\$50,000.00	\$40,000.00																																																																																								
<p>NOTE.—There is an increase of \$10,000 in this item. It is proposed to extend the work to additional projects where the need appears to be particularly acute, especially Belle Fourche, in South Dakota, and Yuma, in Arizona-California. On the Belle Fourche project there are 717 farms in operation, and when the whole project is taken up there will be 100,000 acres of land under irrigation. These lands are devoted almost exclusively to forage and grain crops, which profitably can be marketed only through the establishment of live-stock industries. On the Yuma project there are about 700 farms in operation, and when all the lands on the project are taken up about 100,000 acres will be under irrigation. The successful development of these lands depends on the establishment of live-stock industries, through which the forage and grain crops produced can be utilized, and on the cotton and alfalfa-seed industries.</p>																																																																																										
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td></td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Salaries:</td><td></td><td></td><td></td></tr><tr><td>Agriculturist in charge.....per annum..</td><td>\$3,500.00</td><td>1</td><td>1</td></tr><tr><td>Agriculturists.....do.....</td><td>2,040.00</td><td>6</td><td>4</td></tr><tr><td>Agriculturists.....do.....</td><td>1,800.00</td><td>4</td><td>5</td></tr><tr><td>Farm superintendent.....do.....</td><td>2,000.00</td><td>..</td><td>1 (5 mos.)</td></tr><tr><td>Farm superintendent.....do.....</td><td>1,800.00</td><td>..</td><td>1 (5 mos.)</td></tr><tr><td>Assistant agriculturist.....do.....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Cheesemaker.....do.....</td><td>1,440.00</td><td>1 (5 mos.)</td><td>1</td></tr><tr><td>Clerk, janitor, and collaborators— \$60 to \$5 per month.....</td><td></td><td>7 (1 temp.)</td><td>2 (temp.)</td></tr><tr><td>35 to 25 cents per hour.....</td><td></td><td>..</td><td>9 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers.....{per month..</td><td>60.00</td><td>..</td><td>1</td></tr><tr><td>.....{per diem....</td><td>2.00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$27,500.00</td><td>\$22,816.44</td></tr><tr><td>Wages.....</td><td></td><td></td><td>364.50</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Travelling expenses.....</td><td></td><td>15,850.00</td><td>8,018.40</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,500.00</td><td>3,567.80</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>5,150.00</td><td>3,787.28</td></tr><tr><td>Total.....</td><td></td><td>50,000.00</td><td>38,554.42</td></tr></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.			<i>Number.</i>	<i>Number.</i>	Salaries:				Agriculturist in charge.....per annum..	\$3,500.00	1	1	Agriculturists.....do.....	2,040.00	6	4	Agriculturists.....do.....	1,800.00	4	5	Farm superintendent.....do.....	2,000.00	..	1 (5 mos.)	Farm superintendent.....do.....	1,800.00	..	1 (5 mos.)	Assistant agriculturist.....do.....	1,800.00	1	..	Cheesemaker.....do.....	1,440.00	1 (5 mos.)	1	Clerk, janitor, and collaborators— \$60 to \$5 per month.....		7 (1 temp.)	2 (temp.)	35 to 25 cents per hour.....		..	9 (temp.)	Wages:				Temporary laborers.....{per month..	60.00	..	1{per diem....	2.00	..	1	Salaries.....		\$27,500.00	\$22,816.44	Wages.....			364.50	Other objects of expenditure:				Travelling expenses.....		15,850.00	8,018.40	Equipment and material.....		1,500.00	3,567.80	Miscellaneous items.....		5,150.00	3,787.28	Total.....		50,000.00	38,554.42		
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International Farm Congress and Soil-Products Exposition—																																																																																										
(2) ["To enable the Secretary of Agriculture to cooperate with and make an exhibit illustrative of the investigations, products, and processes relating to farming in the subhumid, arid, and semiarid regions of the United States at the International Soil-Products Exposition, to be held at El Paso, Texas, in conjunction with the International Farm Congress, during the fiscal year ending June thirtieth, nineteen hundred and seventeen, including labor and all expenses in the city of Washington and elsewhere, \$20,000."] -----		20,000.00																																																																																								
["The President is hereby authorized to extend invitations to other nations to appoint delegates or representatives to the International Farm Congress, to be held at El Paso, Texas, in connection with said International Soil-Products Exposition: <i>Provided, That no appropriation shall be granted or used for the expenses of delegates.</i>"]																																																																																										
<p>NOTE.—These paragraphs are omitted, as the objects authorized thereunder will be accomplished during the fiscal year 1917.</p>																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																
<p>(3) [To enable the Secretary of Agriculture to cooperate with and make an exhibit at the next annual meeting of the National Dairy Show Association to be held at Springfield, Massachusetts, during the fiscal year ending June thirtieth, nineteen hundred and seventeen, illustrative of the boys' and girls' club work and other features of the cooperative agricultural extension work carried on in the North Atlantic States, including labor and all expenses in the city of Washington and elsewhere, \$15,000.]</p> <p>NOTE.—This paragraph is omitted, as the objects authorized thereunder will be accomplished during the fiscal year 1917.</p>		\$15, 000. 00																																																
<p>(4) [The President is hereby authorized to extend invitations to other nations to appoint delegates or representatives to the International Irrigation Congress, to be held at El Paso, Texas, during the fiscal year ending June thirtieth, nineteen hundred and seventeen: <i>Provided</i>, That no appropriation shall be asked or used for the expenses of delegates.]</p> <p>NOTE.—This paragraph is omitted, as the objects authorized thereunder will be accomplished during the fiscal year 1917.</p>																																																		
<p><i>Cooperative Fire Protection of Forested Watersheds of Navigable Streams—</i></p> <p>(5) For cooperation with any State or group of States in the protection from fire of the forested watersheds of navigable streams under the provisions of section two of the Act of March first, nineteen hundred and eleven, entitled "An Act to enable any State to cooperate with any other State or States, or with the United States, for the protection of the watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers" (<i>acts Mar. 1, 1911, vol. 36, p. 961, sec. 1, and Aug. 11, 1916, vol. 39, pp. 475, 476, sec. 1</i>)</p>	\$100, 000. 00	100,000. 00																																																
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr></thead><tbody><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chief of state cooperation.....per annum..</td><td>\$2,600.00</td><td>1 (6 mos.)</td><td>1 (6 mos.)</td></tr><tr><td>Examiner.....do....</td><td>2,200.00</td><td>1 (6 mos.)</td><td>1 (6 mos.)</td></tr><tr><td>Collaborators.....do....</td><td>12.00</td><td>18</td><td>28 (13 for 5 mos.)</td></tr><tr><td>Inspectors, forest assistant and forest guards, \$5 to \$2.50.....per diem..</td><td></td><td>5 (temp.)</td><td>50 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$3,225.00</td><td>\$6,762.27</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>2,125.00</td><td>5,122.08</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,000.00</td><td>827.51</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>93,650.00</td><td>80,444.28</td></tr><tr><td>Total.....</td><td></td><td>100,000.00</td><td>93,156.14</td></tr></tbody></table>	Employees.	Rate.	Estimated, 1918.	Expended, 1916.	Salaries:		<i>Number.</i>	<i>Number.</i>	Chief of state cooperation.....per annum..	\$2,600.00	1 (6 mos.)	1 (6 mos.)	Examiner.....do....	2,200.00	1 (6 mos.)	1 (6 mos.)	Collaborators.....do....	12.00	18	28 (13 for 5 mos.)	Inspectors, forest assistant and forest guards, \$5 to \$2.50.....per diem..		5 (temp.)	50 (temp.)	Salaries.....		\$3,225.00	\$6,762.27	Other objects of expenditure:				Traveling expenses.....		2,125.00	5,122.08	Equipment and material.....		1,000.00	827.51	Miscellaneous items.....		93,650.00	80,444.28	Total.....		100,000.00	93,156.14		
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p>(6) That the President of the United States is hereby authorized to designate such areas on any lands which have been, or which may hereafter be, purchased by the United States under the provisions of the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes at Large, page nine hundred and sixty-one), entitled "An Act to enable any State to cooperate with any other State or States, or with the United States, for the protection of watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable streams," and Acts supplementary thereto and amendatory thereof, as should, in his opinion, be set aside for the protection of game animals, birds, or fish; and whoever shall hunt, catch, trap, willfully disturb or kill any kind of game animal, game or nongame bird, or fish, or take the eggs of any such bird on any lands so set aside, or in or on the waters thereof, except under such general rules and regulations as the Secretary of Agriculture may from time to time prescribe, shall be fined not more than \$500 or imprisoned not more than six months, or both.]</p> <p>NOTE.—This paragraph is continuing legislation and consequently is omitted.</p>		
[United States Cotton-Futures Act—]		
<p>(7) Part A. That this part, to be known as the United States cotton-futures act, be, and hereby is, enacted to read and be effective hereafter as follows: * * *]</p> <p>NOTE.—This provision of law is permanent legislation and consequently is omitted. An item providing funds for the enforcement of the United States cotton-futures act during the fiscal year 1918 is included in the estimates of the Bureau of Markets.</p>		
[United States Grain-Standards Act—]		
<p>(8) Part B. That this part, to be known as the United States grain-standards act, be and is hereby enacted, to read and be effective hereafter as follows: * * *, \$250,000]</p> <p>NOTE.—This provision of law is permanent legislation and consequently is omitted. An item providing funds for the enforcement of the United States grain-standards act during the fiscal year 1918 is included in the estimates of the Bureau of Markets.</p>		\$250,000. 00
[United States Warehouse Act—]		
<p>(9) Part C. That this part, to be known as the United States warehouse act, be and is hereby enacted, to read and be effective hereafter as follows: * * *, \$50,000]</p> <p>NOTE.—This provision of law is permanent legislation and consequently is omitted. An item providing funds for the administration of the United States warehouse act during the fiscal year 1918 is included in the estimates of the Bureau of Markets.</p>		50, 000. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																																																																				
<i>Experiments and Demonstrations in Live-Stock Production in the Cane-Sugar and Cotton Districts of the United States—</i>																																																																																																									
(10) To enable the Secretary of Agriculture, in cooperation with the authorities of the States concerned, or with individuals, to make such investigations and demonstrations as may be necessary in connection with the development of live-stock production in the cane-sugar and cotton districts of the United States, including the erection of barns and other necessary buildings, and the employment of persons and means in the city of Washington and elsewhere (<i>acts June 30, 1914, vol. 38, p. 441, sec. 1, and Aug. 11, 1916, vol. 39, p. 491, sec. 1</i>)				\$60,000.00	\$60,000.00																																																																																																				
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.</th></tr><tr><td></td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Salaries:</td><td></td><td></td><td></td></tr><tr><td>Live-stock specialist.....per annum.....</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Live-stock specialist.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Forage-crop agent.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Field assistant in marketing.....do.....</td><td>1,125.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....do.....</td><td>{ 2,100.00 } 2,000.00</td><td>1</td><td>1</td></tr><tr><td>Agents.....do.....</td><td>1,800.00</td><td>4</td><td>2</td></tr><tr><td>Agent.....do.....</td><td>{ 1,620.00 } 1,500.00</td><td>1</td><td>1</td></tr><tr><td>Agent.....do.....</td><td>1,440.00</td><td>..</td><td>1</td></tr><tr><td>Agent.....do.....</td><td>1,320.00</td><td>1</td><td>1</td></tr><tr><td>Clerk.....do.....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Clerks, at \$40 and \$30 per month.....</td><td></td><td>2</td><td>2</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Laborers, \$900 to \$288.....per annum.....</td><td></td><td>4</td><td>4</td></tr><tr><td>Miscellaneous and temporary labor, \$3 to \$0.25, per diem.....</td><td></td><td>52</td><td>53</td></tr><tr><td>Salaries.....</td><td></td><td>\$23,305.00</td><td>\$20,925.00</td></tr><tr><td>Wages.....</td><td></td><td>11,495.00</td><td>11,408.54</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>7,500.00</td><td>6,314.70</td></tr><tr><td>Equipment and material.....</td><td></td><td>2,000.00</td><td>1,783.38</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>11,350.00</td><td>5,239.97</td></tr><tr><td>Construction work ¹.....</td><td></td><td>4,350.00</td><td>13,911.02</td></tr><tr><td>Total.....</td><td></td><td>60,000.00</td><td>59,582.61</td></tr></table>				Employees.	Rate.	Estimated, 1918.	Expended, 1916.			Number.	Number.	Salaries:				Live-stock specialist.....per annum.....	\$3,000.00	1	1	Live-stock specialist.....do.....	2,500.00	1	1	Forage-crop agent.....do.....	2,400.00	1	1	Field assistant in marketing.....do.....	1,125.00	1	1	Agent.....do.....	{ 2,100.00 } 2,000.00	1	1	Agents.....do.....	1,800.00	4	2	Agent.....do.....	{ 1,620.00 } 1,500.00	1	1	Agent.....do.....	1,440.00	..	1	Agent.....do.....	1,320.00	1	1	Clerk.....do.....	1,200.00	1	1	Clerks, at \$40 and \$30 per month.....		2	2	Wages:				Laborers, \$900 to \$288.....per annum.....		4	4	Miscellaneous and temporary labor, \$3 to \$0.25, per diem.....		52	53	Salaries.....		\$23,305.00	\$20,925.00	Wages.....		11,495.00	11,408.54	Other objects of expenditure:				Traveling expenses.....		7,500.00	6,314.70	Equipment and material.....		2,000.00	1,783.38	Miscellaneous items.....		11,350.00	5,239.97	Construction work ¹		4,350.00	13,911.02	Total.....		60,000.00	59,582.61		
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¹ Buildings to be constructed in 1918.				¹ Buildings completed in 1916.																																																																																																					
1 cottage, 24 by 34 by 10, 1-story frame, 8,160 cubic feet, at 19 cents per cubic foot..... \$1,550.00				4 concrete silos, 12 by 40, \$238.10 each, approximately 4,524 cubic feet, at about 5.2 cents per cubic foot..... \$952.40																																																																																																					
1 cattle barn, 36 by 100 by 10, 1-story frame, 36,000 cubic feet, at 5 cents per cubic foot..... 1,800.00				1 wooden-hoop silo, 12 by 40, approximately 4,524 cubic feet, at 4 cents per cubic foot..... 186.96																																																																																																					
1 hay barracks, 28 by 80 by 10, frame, 22,400 cubic feet, at 4½ cents per cubic foot..... 1,000.00				3 stave silos, 12 by 40, \$223.67 each, approximately 4,524 cubic feet, at 5 cents per cubic foot..... 671.01																																																																																																					
4,350.00				1 beef-cattle barn, 36 by 134 by 10, frame, prepared roofing, 48,240 cubic feet, at approximately 2.7 cents per cubic foot..... 1,295.00																																																																																																					
				1 jack shed, 14 by 24 by 10, frame, 3,360 cubic feet, at 4 cents per cubic foot..... 132.09																																																																																																					
				6 negro cabins, 1-story frame, 14 by 26 by 10, with wing 14 by 13, each \$590.48, 5,460 cubic feet, at approximately 10.8 cents per cubic foot... 3,542.86																																																																																																					
				1 cottage for superintendent, 1-story frame, 36 by 44 by 10, wooden shingle roof, 15,840 cubic feet, at 19 cents per cubic foot..... 3,010.15																																																																																																					
				1 office building, 1-story frame, 24 by 38 by 10, wooden shingle roof, 9,120 cubic feet, at 15½ cents per cubic foot..... 1,410.04																																																																																																					
				1 herdsman's cottage, 1-story frame, 31 by 53 by 10, 16,430 cubic feet, at 16½ cents per cubic foot..... 2,710.51																																																																																																					
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General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.																																																								
Experiments in Dairying and Live-Stock Production in Semiarid and Irrigated Districts of the Western United States— (11) To enable the Secretary of Agriculture to conduct investigations and experiments in problems connected with the establishment of dairying and meat-production enterprises on the semiarid and irrigated lands of the western United States, including the purchase of live stock, the erection of barns and other necessary buildings, and the employment of necessary persons and means in the city of Washington and elsewhere (act Aug. 11, 1916, vol. 39, p. 491, sec. 1)	\$40,000.00	\$40,000.00																																																								
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1918.</th><th>Expended, 1916.*</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Scientific assistants.....per annum..</td><td>\$1,500.00</td><td>4</td><td>..</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Unskilled laborers.....do.....</td><td>720.00</td><td>7</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$6,000.00</td><td>.....</td></tr><tr><td>Wages.....</td><td></td><td>5,040.00</td><td>.....</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>600.00</td><td>.....</td></tr><tr><td>Traveling expenses.....</td><td></td><td>2,800.00</td><td>.....</td></tr><tr><td>Equipment and material.....</td><td></td><td>7,600.00</td><td>.....</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,564.00</td><td>.....</td></tr><tr><td>Construction work.....</td><td></td><td>16,396.00</td><td>.....</td></tr><tr><td>Total.....</td><td></td><td>40,000.00</td><td>.....</td></tr></table> Appropriations for 1917..... \$40,000 Estimates for 1917..... \$87,500 Estimates for 1918..... 40,000	Employees.	Rate.	Estimated, 1918.	Expended, 1916.*	Salaries:		Number.	Number.	Scientific assistants.....per annum..	\$1,500.00	4	..	Wages:				Unskilled laborers.....do.....	720.00	7	..	Salaries.....		\$6,000.00	Wages.....		5,040.00	Other objects of expenditure:				Stationery.....		600.00	Traveling expenses.....		2,800.00	Equipment and material.....		7,600.00	Miscellaneous items.....		1,564.00	Construction work.....		16,396.00	Total.....		40,000.00		
Employees.	Rate.	Estimated, 1918.	Expended, 1916.*																																																							
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Construction work.....		16,396.00																																																							
Total.....		40,000.00																																																							
*No appropriation for fiscal year 1916. 1 Buildings to be constructed in 1918: 1 frame shed for beef cattle, 20 by 10 by 8, 16,000 cubic feet, at \$0.06¼ per cubic foot. \$1,000.00 2 frame hog houses, 60 by 15 by 7, 6,300 cubic feet each, at \$0.222 per cubic foot, \$1,400 each. 2,800.00 3 frame lambing sheds, 12 by 50 by 7, 4,200 cubic feet each, at \$0.119 per cubic foot, \$500 each. 1,500.00 1 frame poultry house, 60 by 50 by 6, 18,000 cubic feet, at \$0.02½ per cubic foot. 500.00 1 dairy barn, 36 by 70 by 24, 60,480 cubic feet, at approximately \$0.07 per cubic foot. 4,300.00 1 shed, 18 by 60 by 10, 10,800 cubic feet, at \$0.05 per cubic foot. 540.00 1 silo, 12 by 36, 4,071 cubic feet, at \$0.06 per cubic foot. 245.00 1 milk house, 14 by 24 by 10, 3,360 cubic feet, at \$0.15 per cubic foot. 504.00 1 manure shed, 16 by 32 by 12, 6,144 cubic feet, at \$0.05 per cubic foot. 307.00 1 superintendent's cottage, 24 by 42 by 16, 16,128 cubic feet, at \$0.155 per cubic foot. 2,500.00 1 ice house, 12 by 14 by 10, 1,680 cubic feet, at \$0.12 per cubic foot. 200.00 1 sewage-disposal plant. 500.00 1 water system. 1,500.00 Total..... 16,396.00																																																										
(12) That not to exceed [\$60,000] \$75,000 of the lump-sum appropriations herein made for the Department of Agriculture shall be available for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats necessary in the conduct of the field work of the Department of Agriculture outside the District of Columbia: <i>Provided</i> , That not to exceed [\$10,000] \$13,000 of this amount shall be expended for the purchase of such vehicles and boats, and that such vehicles and boats shall be used only for official service outside the District of Columbia, but this shall not prevent the continued use for official service of motor trucks in the District of Columbia: <i>Provided further</i> , That the Secretary of Agriculture shall, on the first day of each regular session of Congress, make a report to Congress showing the amount expended under the provisions of this paragraph during the preceding fiscal year █ : <i>Provided</i> , That hereafter, nothing in this paragraph or in section five of the legislative, executive, and judicial appropriation act, approved July sixteenth, nineteen hundred and fourteen (Thirty-eighth Statutes at Large, page five hundred and eight), shall be construed to apply to the hire of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats necessary in the conduct of the field work of the department, or to the maintenance, repair, or operation of vehicles so hired █ .																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
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NOTE.—It is proposed to increase by \$15,000 the limitation placed upon the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats necessary in the conduct of the field work of the Department of Agriculture, making the total \$75,000, instead of \$60,000, and to increase the amount which may be used for the purchase of such vehicles and boats from \$10,000 to \$13,000.

These figures are based on the most conservative estimates of the minimum amount required properly to provide for the repair, maintenance, and operation of the vehicles now owned by the Government, many of which are deteriorating, and for the purchase, repair, maintenance, and operation of new vehicles, as follows:

Maintenance, repair, and operation of vehicles owned by the		
Government.....	\$54,545	
Maintenance, repair, and operation of new vehicles.....	5,735	
Reserve to meet unforeseen contingencies.....	1,720	
		\$62,000
Purchase of new vehicles.....	12,522	
Reserve to meet unforeseen contingencies.....	478	
		13,000
Total.....		75,000

The last proviso has been omitted as this is continuing legislation.

The following statement shows in detail the proposed apportionment of this \$75,000 by bureaus:

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1918, as required by section 5 of the act of July 16, 1914 (38 Stat., p. 508).

MAINTENANCE, REPAIR, AND OPERATION OF VEHICLES NOW OWNED BY THE DEPARTMENT.

[NOTE.—The amount required for the maintenance, repair, and operation of vehicles to be purchased during the fiscal year ending June 30, 1918, is estimated for below.]

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	Number.	Description.	Amount.	Public purpose for which intended.	Officials and employees by whom used.
Office of Farm Management.	Motor-propelled.	General expenses, Office of Farm Management.	1	Motorcycle....	\$150	For travel from farm to farm in outlying districts, which can not be reached with other conveyances, to obtain records in connection with hay investigations.	H. B. McClure.
Weather Bureau.....	do.....	General expenses, Weather Bureau.	1	Launch.....	70	For use in boarding ships and as a lifeboat in emergencies.	Employees on duty at Sand Key, Fla.
Do.....	do.....	do.....	1	Motorcycle....	30	For use in inspecting and repairing seacoast telegraph line.	Repairman at Cape Henry, Va.
Bureau of Animal Industry.	do.....	Military horse breeding.	1	Automobile....	600	For use in inspecting horse-breeding stations which can not be reached by railroad.	Animal husbandman at Front Royal, Va.
Do.....	do.....	Hog cholera.....	20	Automobiles..	12,500	For transporting veterinarians from farm to farm investigating outbreaks of hog cholera and demonstrating methods for its eradication and control.	Veterinary inspectors at Ames, Iowa; Bainbridge, Ga.; Beatrice, Nebr. (2 machines); Columbus, Ohio; Crawfordsville, Ind. (3 machines); Des Moines Iowa (3 machines); Frankfort, Ky.; Lansing, Mich.; Marysville, Kans. (2 machines); Mitchell, S. Dak.; Sedalia, Mo. (2 machines); Twin Falls, Idaho, and Columbia, Tenn.
Do.....	do.....	Inspection and quarantine.	1	Automobile....	600	For use in inspecting cattle imported along the Canadian border.	Veterinarian at Pembina, N. Dak.
Do.....	do.....	do.....	1	do.....	625	For use in inspecting horses on Indian reservations.	Veterinarian at Bismarck, N. Dak.
Do.....	do.....	do.....	1	do.....	600	For use in inspecting sheep and cattle for interstate movement.	Veterinarian at Lamar, Colo.
Do.....	do.....	Eradicating cattle ticks.	1	do.....	600	For use in inspecting cattle along the Virginia shore between the quarantined and free areas not accessible by railroad.	Veterinarian at Norfolk, Va.
Do.....	do.....	do.....	1	do.....	600	For use in supervising the dipping of cattle in Jefferson County, Ala.	Veterinarian detailed from Birmingham, Ala., station.
Do.....	do.....	Poultry feeding and breeding.	1	Motorcycle....	150	For use in inspecting poultry plants in the vicinity of Vineland, N. J.	Animal husbandman at Vineland, N. J.
Do.....	Horse-drawn.	Military horse breeding.	1	Omnibus.....	35	For travel between Government farm and Beltsville, Md., to meet trains, and to obtain mail and supplies.	Superintendent and farm employees.
Do.....	do.....	Dairy industry.....	1	Buggy.....	25	do.....	Do.
Do.....	do.....	Military horse breeding.	1	Two-seated brake.	15	do.....	Do.
Do.....	do.....	do.....	1	Buggy.....	20	do.....	Do.
Do.....	do.....	do.....	2	Buggies.....	25	For travel between Government farm (Morgan horse farm) and Middlebury, Vt., to obtain mail and supplies.	Do.
Do.....	do.....	do.....	1	Two-seated sleigh.	15	do.....	Do.
Do.....	do.....	do.....	1	Surrey.....	15	do.....	Do.
Do.....	do.....	do.....	1	Single sleigh.	10	do.....	Do.
Do.....	do.....	do.....	2	Buggies.....	25	For use in inspecting horse-breeding stations in the vicinity of Lexington, Ky., not accessible by railroad.	Animal husbandman at Lexington, Ky.
Do.....	do.....	do.....	1	Buggy.....	20	For use in inspecting horse-breeding stations in the vicinity of Front Royal, Va., not accessible by railroad.	Animal husbandman at Front Royal, Va.
Do.....	do.....	Diseases of animals.....	1	do.....	25	For use in inspecting Government farm, and in traveling between the farm and Vienna, Va., to obtain supplies and to meet railroad trains.	Superintendent of farm, Vienna, Va.
Do.....	do.....	do.....	1	do.....	25	Used as a means of transportation between Government experiment farm and the District of Columbia line; also to obtain small supplies needed at the farm from time to time.	Superintendent and farm employees, Bethesda, Md.
Bureau of Plant Industry.	Motor-propelled.	Demonstrations on reclamation projects.	✓ 7	Automobiles..	2,700	For transportation of agriculturists from farm to farm conducting demonstration work with farmers.	Agriculturists in charge of demonstrations on the Huntley, Boise, Truckee-Carson, North Platte, Teton, Uncompahgre, and Minidoka reclamation projects.
Do.....	do.....	Crop physiology.....	✓ 1	Automobile....	200	Used in connection with supervision of cooperative experiments in testing the possibilities of date culture in California and Arizona. Railroad facilities are inadequate.	Bruce Drummond, foreman of Government date garden, Indio, Cal.
Do.....	do.....	Fruit diseases.....	✓ 1	Motorcycle....	35	Used in inspecting vineyards and small-fruit plantations near Vineland, N. J.	R. B. Wilcox, Vineland, N. J.
Do.....	do.....	Western irrigation agriculture.	✓ 1	do.....	50	Used in inspecting various projects and in making trips between the farm and town to secure small supplies.	Farm superintendent, San Antonio Experiment Farm.
Do.....	do.....	Forest pathology.....	✓ 2	Motorcycles....	140	Used for the transportation of employees into sections of the country surrounding Madison, Wis., and Albuquerque, N. Mex., for the investigation of forest-tree diseases.	D. J. Humphrey, Madison, Wis., and W. H. Long, Albuquerque, N. Mex.
Do.....	do.....	Arlington Farm.....	✓ 1	Motorcycle....	50	Used for patrol duty upon the Arlington Farm, Arlington, Va., and for obtaining small supplies when needed.	Various farm employees.
Do.....	do.....	Dry-land agriculture..	✓ 1	Automobile....	400	For use in inspecting shelter-belt work in the vicinity of Mandan, N. Dak.	Officials at Northern Great Plains Field Station, Mandan, N. Dak.
Do.....	Horse-drawn.	Western irrigation agriculture.	✓ 10	Buggies.....	150	For use in inspecting various projects and in making trips between stations and towns for the purchase of supplies. These stations are located at distances varying from 1 to 7 miles from the nearest railroad point, and conveyances are absolutely essential.	Superintendents and assistant superintendents of the San Antonio, Yuma, Belle Fourche, Truckee-Carson, Huntley, and Umatilla field stations.
Do.....	do.....	Dry-land agriculture..	✓ 6	do.....	90	Used in transporting employees and supplies between station and towns.	Superintendents, assistant superintendents, and other employees at Akron, Colo.; Mandan, N. Dak.; Scottsbluff, Nebr.; Lawton, Okla.; Woodward, Okla.; and Ardmore, S. Dak.

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1918, as required by section 5 of the act of July 16, 1914 (38 Stat., p. 508)—Continued.

MAINTENANCE, REPAIR, AND OPERATION OF VEHICLES NOW OWNED BY THE DEPARTMENT—Continued.

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	Number.	Description.	Amount.	Public purpose for which intended.	Officials and employees by whom used.
Bureau of Plant Industry—Contd.	Horse-drawn	Dry-land agriculture	✓ 1	Surrey	\$15	Used in transporting employees and supplies between stations and town.	Superintendent and other employees at Mandan, N. Dak., field station.
Do.	do.	Cereal investigations	✓ 1	Buggy	150	For use in the inspection of rice plantations in the vicinity of the station.	Superintendent of Crowley, La., rice experiment station.
Do.	do.	Foreign seed and plant introduction.	✓ 1	One-horse buggy.	25	Used for travel from the plant-introduction field station to the town of Chico to arrange for the securing of supplies and equipment for the station.	R. L. Beagles, plant-introduction field station, Chico, Cal.
Do.	do.	do.	✓ 1	Two-seated one-horse surrey.	25	Used for travel between the plant-introduction field station near Rockville, Md., and Rockville to arrange for the securing of supplies and equipment for the station.	J. M. Rankin, plant-introduction field station, near Rockville, Md.
Do.	do.	Arlington Farm	✓ 2	Runabouts	200	Used on the Arlington Farm to superintend the various field operations.	E. C. Butterfield and assistants.
Do.	do.	do.	✓ 1	Top buggy	25	Used on the Arlington Farm to superintend the various field operations during inclement weather.	Do.
Forest Service.	Motor-propelled.	General expenses, Forest Service.	14	Motorcycles	885	Forest-fire protection on the Cabinet, Pend Oreille, Deerlodge, Missoula, Lolo, Kootenai, Harney, Blackhills, Gila, Cache, Cascade, Oregon, and White Mountain National Forests.	Forest rangers and fire patrolmen.
Do.	do.	do.	1	Automobile	583	Used in land-classification work on national forests in California.	Forest officers engaged in land-classification work.
Do.	do.	do.	1	Automobile, with flanged wheels for railroad.	67	Forest-fire protection on Sierra National Forest and for carrying fire-fighting crews and equipment.	Forest rangers, patrolmen, and fire fighters.
Do.	do.	do.	25	Railroad speeders.	1,133	Forest-fire protection on the Blackfeet, Cabinet, Pend Oreille, Jefferson, Lolo, Coeur d'Alene, Deerlodge, Flathead, Kootenai, Superior, Targhee, Shasta, Cascade, Colville, and Snoqualmie National Forests.	Forest rangers and fire patrolmen.
Do.	do.	do.	21	Motor boats	1,957	Forest-fire protection on the Pend Oreille, Coeur d'Alene, Missoula, Kaniksu, Bridger, Superior, Minnesota, Tonto, Wenatchee, Siuslaw, Olympic, Crater, Chelan, Columbia, and Chugach National Forests.	Do.
Do.	do.	do.	1	Motor boat	250	General administration on Florida National Forest.	Forest supervisor and forest rangers.
Do.	do.	do.	2	Motor boats	218	Used as tenders in connection with seagoing launches in general administration on Tongass National Forest, Alaska.	Forest supervisor, forest rangers, and other employees.
Do.	do.	do.	4	Coastwise motor launches.	3,928	Forest-fire protection and general administration on Tongass National Forest, Alaska.	Forest rangers and forest guards.
Do.	do.	do.	1	Seagoing motor launch.	6,387	General administration on Tongass National Forest, Alaska.	Forest supervisor and forest rangers.
Do.	do.	do.	2	Seagoing motor launches.	5,970	Forest-fire protection and general administration on Chugach National Forest, Alaska.	Forest supervisor, deputy forest supervisor, and forest rangers.
Do.	do.	do.	1	Motor boat	67	Used in land-classification work on national forests in Alaska.	Forest officers engaged in land-classification work.
Bureau of Chemistry.	do.	Enforcement of the food and drugs act.	1	Automobile	600	Used for citrus by-products work in California to reach groves which are inaccessible by railroad; machine also used in the collection and transportation of samples and the transportation of apparatus.	E. M. Chace.
Do.	do.	do.	1	Motorcycle	240	Used in milk campaigns and oyster investigations when it is necessary to cover considerable territory in a short time where there are no other means of transportation available.	S. K. Farrar.
Bureau of Entomology.	do.	Cereal and forage insects.	1	Automobile	275	For use at Wellington, Kans., in collecting data and supervising investigational work in that vicinity.	E. O. G. Kelly.
Do.	do.	do.	1	Motorcycle	45	For use at Forest Grove, Oreg., where railway transportation facilities are unusually poor, in connection with investigations of insects affecting clover seed, alfalfa, etc.	C. W. Creel.
Do.	do.	do.	1	do.	85	For use in conducting investigations at ranches in the vicinity of Tempe, Ariz.	D. J. Caffrey.
Do.	do.	do.	1	do.	100	For use at Knoxville, Tenn., in connection with collection of data, carrying supplies, and making trips to distant points.	G. G. Ainslie.
Do.	do.	do.	1	do.	90	For use in conducting investigations at ranches in the vicinity of Tempe, Ariz.	V. L. Wildermuth.
Do.	do.	do.	1	do.	50	For use at Martinez, Cal., in connection with investigations of alfalfa insects.	T. D. Urbahns.
Do.	do.	do.	1	do.	50	For use at La'ayette, Ind., in connection with investigation of the white grub and Hessian fly.	C. F. Turner.
Do.	do.	Deciduous-fruit insects.	1	do.	85	For use at Benton Harbor, Mich., in connection with the study of orchard-spraying machinery and insecticides.	F. L. Simanton.
Do.	do.	do.	1	do.	40	For use at Winchester, Va., in connection with peach-insect investigations.	B. R. Leach.
Do.	do.	do.	1	do.	80	For use at Grand Junction, Colo., in investigations of the codling moth.	E. H. Siegler.
Do.	do.	do.	1	do.	125	For use at Roswell, N. Mex., in connection with spraying experiments at that place.	R. J. Fiske.
Do.	do.	do.	1	do.	40	For use at Westchester, Pa., in connection with collection of data and investigations of deciduous-fruit insects.	A. J. Ackerman.
Do.	do.	do.	1	do.	60	For use at Wenatchee, Wash., in connection with grape-insect investigations.	E. J. Newcomer.
Do.	do.	do.	1	Automobile	225	For use at Brown Mills, N. J., in making investigations over a large territory, and transporting Government property used in cranberry investigations over territory of sandy soil.	H. B. Seammell.

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1918, as required by section 5 of the act of July 16, 1914 (38 Stat., p. 508)—Continued.

MAINTENANCE, REPAIR, AND OPERATION OF VEHICLES NOW OWNED BY THE DEPARTMENT—Continued.

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	Number.	Description.	Amount.	Public purpose for which intended.	Officials and employees by whom used.
Bureau of Entomology—Contd.	Motor-propelled.	Southern field crop insects.	1	Automobile...	\$250	For use at Clarksville, Tenn., in connection with investigations of southern field crop insects, for collection of data, and reaching points in the vicinity where experiments are being carried on.	A. C. Morgan.
Do.....	do.....	do.....	1	do.....	260	For use at Florence, Mont., in connection with investigations of various ticks and other insects affecting the health of animals.	H. P. Wood.
Do.....	do.....	do.....	1	do.....	425	For use in supervising experiments being conducted on plantations in the vicinity of Tallulah, La.	B. R. Coad.
Do.....	do.....	do.....	1	Motorcycle....	40	For use at Dallas, Tex., in connection with investigations of insects affecting the health of man and animals.	F. C. Bishopp.
Do.....	do.....	do.....	1	do.....	25	For use in supervising experiments being conducted on various plantations in the vicinity of Tallulah, La., inaccessible by railroad, when it is impracticable to use the automobile at this station.	B. R. Coad.
Do.....	do.....	do.....	1	do.....	40	For use at New Orleans, La., in southern field crop insect investigations.	T. E. Holloway.
Do.....	do.....	Tropical and subtropical fruit insects.	1	do.....	100	For use at Pasadena, Cal., in connection with work at selected groves in which spraying experiments are being carried on against citrus fruit insects.	R. S. Woglum.
Do.....	do.....	Truck crop and stored product insects.	1	do.....	25	For use at Hart, Mich., in inspecting the large commercial plantings of peas in connection with spraying investigations against the pea aphid.	A. C. Johnston.
Do.....	do.....	do.....	1	do.....	30	For use at Pasadena, Cal., in connection with investigations of potato insects.	B. L. Boyden.
Do.....	do.....	do.....	1	do.....	35	For use at Wichita, Kans., for the purpose of collecting data, and carrying on investigations of the Argentine corn weevil.	F. B. Milliken.
Do.....	do.....	do.....	1	do.....	20	For use at Rocky Ford, Colo., in connection with sugar-beet insect investigations.	H. O. Marsh.
Do.....	do.....	do.....	1	do.....	15	For use at Spreckels, Cal., in connection with sugar-beet insect investigations.	C. F. Stahl.
Do.....	do.....	Mediterranean fruit fly	1	do.....	80	For use at Honolulu, Hawaii, in connection with investigations of the Mediterranean fruit fly.	C. E. Pemberton
Do.....	do.....	Preventing spread of moths.	1	Automobile...	700	Supervising scouting and extermination work and transferring men and equipment from place to place in territory where there are no transportation facilities or where parties of men would be compelled to make long round-about railroad journeys in order to reach new locations.	Agent in charge of scouting and extermination work, and principal assistants.
Do.....	do.....	do.....	4	Automobiles..	1,500	Supervising and directing laboratory, scouting, quarantine, and silvicultural work, in colonizing parasites, and in making immediate inspection of perishable nursery stock, upon telegraphic or telephonic request, at nurseries located in the infested area.	The principal assistants in charge of the investigations, and scientific assistants, foremen, and scouts acting under their supervision and direction.
Do.....	do.....	do.....	25	Motorcycles...	2,100	Collecting insects, parasitized material, and food plants to be used in experimental work, determining spread of parasites and natural enemies in the field, scouting new territory, and directing operations of field parties engaged in scouting and extermination work.	Scientific assistants, gipsy moth assistants, foremen, scouts, and scout-inspectors.
Bureau of Biological Survey.	do.....	Maintenance of mammal and bird reservations.	1	Motorcycle....	150	Patrolling Malheur Lake Bird Reservation, Oreg.	Warden in charge.
Do.....	do.....	do.....	1	Motor boat....	50	do.....	Do.
Do.....	do.....	do.....	1	do.....	50	Patrolling Stump Lake Bird Reservation, N. Dak.	Do.
Do.....	do.....	do.....	1	do.....	200	Patrolling Klamath Lake Bird Reservation, Oreg.	Do.
States Relations Service.	do.....	Porto Rico Experiment Station.	1	Automobile...	300	Transporting station specialists to cooperative work over the islands.	Agronomist in charge and assistants.
Do.....	do.....	do.....	1	do.....	200	Transporting agricultural extension workers to points throughout the islands.	Do.
Do.....	Horse-drawn.	do.....	1	Two-horse light wagon.	100	Inspecting experimental plats, collecting samples, etc., transporting mail and supplies.	Do.
Do.....	do.....	Hawaii Experiment Station.	1	One-horse buggy.	200	Inspecting experimental plats, collecting samples, conducting extension work, transporting mail, express, and supplies.	Do.
Do.....	do.....	Guam Experiment Station.	1	do.....	100	Inspecting experimental plats, supervising cooperative work, transporting mail, express, and supplies.	Do.
Office of Public Roads and Rural Engineering.	Motor-propelled.	Road building and maintenance investigations.	3	Automobiles..	2,160	Used in connection with personal supervision and inspection of construction work in progress demanding the close and more or less continuous presence of a representative of the Office of Public Roads and Rural Engineering. These machines are used only where the length of a construction project is so great as to make it practically impossible for an engineer to inspect the entire work expeditiously by any other means.	Highway engineers supervising construction work.
Do.....	do.....	do.....	1	do.....	720	Used in connection with the personal supervision and inspection of maintenance work in progress demanding the close and more or less continuous presence of a representative of the Office of Public Roads and Rural Engineering. These machines are used only where the length of a maintenance project is so great as to make it practically impossible for an engineer to inspect the entire work expeditiously by any other means.	Highway engineers supervising maintenance work.
Total.....					54,545		

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1918, as required by section 5 of the act of July 16, 1914 (38 Stat., p. 508)—Continued.

TO BE PURCHASED DURING THE FISCAL YEAR 1918.

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	For purchase.			For maintenance, repair, and operation.	Public purpose for which intended.	Officials and employees by whom used.
			Number.	Description.	Amount.	Amount.		
Bureau of Animal Industry.	Motor-propelled.	Eradicating hog cholera.	6	Automobiles..	\$2,400	\$3,000	For transporting veterinarians from farm to farm investigating outbreaks of hog cholera and demonstrating methods for its eradication and control.	Veterinary inspectors engaged in eradicating hog cholera.
Bureau of Plant Industry.	.....do.....	Demonstrations on reclamation projects.	3	.....do.....	1,035	1,125	For transporting agriculturists from farm to farm conducting demonstration work with farmers.	Agriculturists in charge of demonstrations on the Yuma, Belle Fourche, and Shoshone reclamation projects.
Do.....	Horse-drawn....	Western irrigation agriculture.	3	Buggies.....	270	15	For use of farm superintendents and assistants in inspecting projects, and in making trips between the stations and the towns for the purchase of supplies, etc.	Superintendents and assistant superintendents of field stations at Yuma, Umatilla, and Scottsbluff.
Forest Service.....	Motor-propelled.	General expenses, Forest Service.	1	Small boat, with detachable motor.	150	10	Tender to seagoing launch used for fire protection and general administration on Chugach National Forest, Alaska.	Forest supervisor, deputy forest supervisor, forest rangers, and other employees.
Do.....	.....do.....	.....do.....	1	Detachable motor for rowboat.	80	37	Forest-fire protection on Madison National Forest.	Forest rangers and patrolmen.
Do.....	.....do.....	.....do.....	1	Detachable 4 horsepower motor for rowboat.	130	28	Forest-fire protection on Wenatchee National Forest.	Do.
Do.....	.....do.....	.....do.....	3	Motor boats...	3,750	108	Forest-fire protection and general administration on Siuslaw National Forest, necessary to replace boats formerly used on the Umpqua, Siuslaw, and Alsea Rivers.	Do.
Do.....	.....do.....	.....do.....	7	Railroad speeders.	1,517	285	Forest-fire protection on the Medicine Bow, Chugach, Colville, Cabinet, Deerlodge, and Flathead National Forests.	Do.
Do.....	.....do.....	.....do.....	1	Railroad speeder, 12 horsepower.	500	100	Forest-fire protection on Snoqualmie National Forest. High-power speeder needed on account of grades.	Do.
Do.....	.....do.....	.....do.....	2	Motorcycles, with side van.	750	150	Forest-fire protection and general administration on Coconino and Coronado National Forests.	Do.
Do.....	.....do.....	.....do.....	3	Motorcycles...	920	127	Forest-fire protection on Harney, Pend Oreille, and Coeur d'Alene National Forests.	Do.
Do.....	.....do.....	.....do.....	1	8 horsepower motor for Government-owned 20-foot boat.	300	150	General administration on Tongass National Forest, Alaska.	Forest rangers and other employees.
Bureau of Entomology.	.....do.....	Preventing spread of moths.	2	Automobiles..	720	600	For collecting and distributing colonies of parasites in infested areas remote from railroads. Owing to the delicate and perishable nature of the material it must be carried by hand, and delivery by mail, express, or motorcycle is impracticable. Parties of two or more men can work to advantage with an automobile and greater results obtained at much less expense of time, labor, material, and money than by any other means of transportation; also for supervising and keeping in constant touch with the work of from two to three hundred men scattered over an area of approximately 150 square miles, and for transferring men and equipment from place to place in territory where there are no transportation facilities or where parties of men would be compelled to make long, roundabout railroad journeys in order to reach their new locations. Owing to the rapid deterioration of motorcycles now on hand, due to constant use over rough country, it is absolutely necessary to provide additional equipment to meet the rapidly increasing demands of the service.	Principal assistants in charge of the investigations, scientific assistants, foremen, and scouts acting under their supervision.
Total.....	.....do.....	.....do.....			12,522	5,735		

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles and motor boats in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1918, as required by section 5 of the act of July 16, 1914 (38 Stat., p. 508)—Continued.

SUMMARY.

Bureau, division, or office.	Motor-propelled vehicles.			Horse-drawn vehicles.			Total for purchase.	Total for maintenance, repair, and operation.	Total for bureau, division, or office.
	For purchase.	For maintenance, repair, and operation.	Total.	For purchase.	For maintenance, repair, and operation.	Total.			
Office of Farm Management.....		\$150	\$150					\$150	\$150
Weather Bureau.....		100	100					100	100
Bureau of Animal Industry.....	\$2,400	19,275	21,675		\$255	\$255	\$2,400	19,530	21,930
Bureau of Plant Industry.....	1,035	4,700	5,735	\$270	695	965	1,305	5,395	6,700
Forest Service.....	8,097	22,440	30,537				8,097	22,440	30,537
Bureau of Chemistry.....		840	840					840	840
Bureau of Entomology.....	720	7,595	8,315				720	7,595	8,315
Bureau of Biological Survey.....		450	450					450	450
States Relations Service.....		500	500		400	400		900	900
Office of Public Roads and Rural Engineering.....		2,880	2,880					2,880	2,880
Total.....	12,252	58,930	71,182	270	1,350	1,620	12,522	60,280	72,802

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.
<p>【<i>Detailed Estimates for Executive Officers, Clerks, and Employees Below the Grade of Clerk.</i>】—</p>		
<p>(13) 【The Secretary of Agriculture for the fiscal year nineteen hundred and eighteen, and annually thereafter, shall transmit to the Secretary of the Treasury for submission to Congress in the Book of Estimates detailed estimates for all executive officers, clerks, and employees below the grade of clerk, indicating the salary or compensation of each, necessary to be employed by the various bureaus, offices, and divisions of the Department of Agriculture, and shall include with such estimates a statement of all executive officers, clerks, and employees below the grade of clerk who may have been employed during the last completed fiscal year on any lump-fund appropriation for the department and the salary or compensation of each.】</p> <p>NOTE.—This paragraph is continuing legislation and consequently is omitted.</p>		
<p>(14) 【The Secretary of Agriculture is directed hereafter to submit to Congress annually a statement showing investigations and other services conducted by the Department of Agriculture which have been completed and which can be discontinued.】</p> <p>NOTE.—This paragraph is continuing legislation and consequently is omitted.</p>		
<p>(15) 【That section two of the agricultural appropriation Act of March third, eighteen hundred and eighty-five (Twenty-third Statutes at Large, page three hundred and fifty-three), be, and the same hereby is, amended so as to read as follows, effective on and after June eighteenth, nineteen hundred and sixteen:</p> <p>“SEC. 2. That hereafter in addition to the proper vouchers and accounts for the sums appropriated for the Department of Agriculture to be furnished to the accounting officers of the Treasury, the Secretary of Agriculture shall, at the commencement of each regular session, present to Congress a detailed statement of the expenditure of all appropriations for said department for the last preceding fiscal year.”】</p> <p>NOTE.—This provision is continuing legislation and consequently is omitted.</p>		
<p><i>Eradication of Foot-and-Mouth and other Contagious Diseases of Animals—</i></p>		
<p>(16) In case of an emergency arising out of the existence of foot-and-mouth disease, rinderpest, contagious pleuropneumonia, or other contagious or infectious disease of animals which, in the opinion of the Secretary of Agriculture, threatens the live-stock industry of the country, he may expend in the city of Washington or elsewhere, out of any money in the Treasury not otherwise appropriated, the sum of \$1,250,000, which sum is hereby appropriated, or so much thereof as he determines to be necessary, in the arrest and eradication of any such disease, including the payment of claims growing out of past and future purchases and destruction, in cooperation with the States, of animals affected by or exposed to, or of materials contaminated by or exposed to, any such disease, wherever found and irrespective of ownership, under like or substantially similar circumstances, when such owner has complied with all lawful quarantine regulations: <i>Provided</i>, That the payment for animals hereafter purchased may be made on appraisement based on the meat, dairy, or breeding value, but in case of appraisement</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.												
<p><i>Eradication of Foot-and-Mouth and other Contagious Diseases of Animals—Continued.</i></p> <p>based on breeding value no appraisalment of any animal shall exceed three times its meat or dairy value, and except in case of an extraordinary emergency, to be determined by the Secretary of Agriculture, the payment by the United States Government for any animal shall not exceed one-half of any of such appraisements: <i>Provided further</i>, That so much of the appropriation of \$2,500,000 made by the agricultural appropriation act of March fourth, nineteen hundred and fifteen, for the fiscal year ending June thirtieth, nineteen hundred and sixteen, for the arrest and eradication of foot-and-mouth disease, rinderpest, contagious pleuropneumonia, or other contagious or infectious disease of animals, as remains unexpended at the close of [said] the fiscal year <i>nineteen hundred and seventeen</i>, is hereby reappropriated and made available for expenditure during the fiscal year ending June thirtieth, nineteen hundred and [seventeen] <i>eighteen</i>, for the objects mentioned in said appropriation act, including necessary investigations to determine whether said diseases have been completely eradicated in districts where they previously existed (<i>acts Mar. 4, 1915, vol. 38, p. 1115, sec. 1, and Aug. 11, 1916, vol. 39, pp. 492, 493, sec. 1</i>) -----</p> <table><tr><td>Deficiency for 1915.....</td><td>\$2,500,000</td><td>Estimates for 1917.....</td><td>\$2,500,000</td></tr><tr><td>Appropriations for 1916.....</td><td>2,500,000</td><td>Estimates for 1918.....</td><td>1,250,000</td></tr><tr><td>Appropriations for 1917.....</td><td>1,250,000</td><td></td><td></td></tr></table> <p>NOTE.—The language of this item has been slightly changed in order to make available for expenditure during the fiscal year 1918 any unexpended balance of the appropriation of \$2,500,000 carried in the agricultural act for the fiscal year 1916. The last agricultural act makes this balance available for expenditure only during the fiscal year 1917.</p>	Deficiency for 1915.....	\$2,500,000	Estimates for 1917.....	\$2,500,000	Appropriations for 1916.....	2,500,000	Estimates for 1918.....	1,250,000	Appropriations for 1917.....	1,250,000			\$1,250,000.00	\$1,250,000.00
Deficiency for 1915.....	\$2,500,000	Estimates for 1917.....	\$2,500,000											
Appropriations for 1916.....	2,500,000	Estimates for 1918.....	1,250,000											
Appropriations for 1917.....	1,250,000													
<p>(17) <i>Officers and employees of the Department of Agriculture traveling on official business, when authorized by the Secretary of Agriculture to receive per diem allowances in lieu of subsistence, in accordance with section thirteen of the act of August first, nineteen hundred and fourteen (thirty-eighth Statutes, page six hundred and eighty), shall receive such allowances from each lump-sum appropriation provided for herein and made available for travel expenses, at rates of \$1, \$1.50, \$2, \$2.50, \$3, \$3.50, or \$4, varying with the character of work to be performed and the section of the country to be visited.</i></p> <p>NOTE.—The above paragraph is submitted in accordance with section 13 of the act of August 1, 1914 (38 Stat., 680).</p>														
<p>(18) <i>Hereafter, for the purpose of reducing the expense of enforcing and administering the several statutes conferring powers or imposing duties upon the Secretary of Agriculture, he shall have authority, from time to time, to make designations of officers, agents, and employees of the Department of Agriculture to administer oaths, of which designations the courts of the United States shall take judicial notice. Any such officer, agent, or employee so designated is hereby empowered to administer to, or take from, any person an oath, affirmation, or affidavit whenever such oath, affirmation, or affidavit is for use in any prosecution or proceeding under, or in the administration of, any law which the Secretary of Agriculture or the Department of Agriculture, or any bureau or subdivision thereof, is, or may hereafter be, empowered or directed to administer or to aid in administering. Any such oath, affirmation, or affidavit administered or taken by or before such officer, agent, or employee, when certified under his hand and authenticated by the official seal of the Department of Agriculture, shall be valid to all intents and</i></p>														

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Contin

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

purposes; and when offered or used in any court of the United States shall have like force and effect as if administered or taken by or before the clerk of such court, without further proof of the identity or authority of such officer, agent, or employee. No officer, agent, or employee of the Department of Agriculture shall demand or accept any fee or compensation whatsoever for administering or taking any oath, affirmation, or affidavit under the authority conferred by this Act.

NOTE.—The enactment of this measure materially will decrease the cost of preparing cases for prosecution and eliminate to a considerable extent the delay now experienced in getting them into court. It is designed to expedite procedure and reduce the cost of administering the forest administration act of June 4, 1897, the cattle quarantine act of March 3, 1905, the food and drugs act of June 30, 1906, the insecticide act of 1910, the plant-quarantine act of August 20, 1912, the serum-and-virus act of March 4, 1913, and other statutes which are or which may at some future time be intrusted to this department for administration.

The necessity of this measure may well be illustrated by the procedure in connection with the enforcement of the food and drugs act. The proceedings are criminal under section 2 of the act, and civil under section 10. Most of the criminal cases are prosecuted by information rather than by indictment, as such method seems expeditious and economical. In all cases prosecuted by information, affidavits showing probable cause for the prosecution are required of witnesses having personal knowledge of the facts. At least two affidavits are usually necessary for each case. Affidavits also frequently are required by the courts in seizure proceedings under section 10 of the act, where no claimant appears and it is necessary for the Government to proceed ex parte to secure a decree of condemnation. Such affidavits are taken in all parts of the United States, and the notarial fees range from 25 cents to \$1.

Probably the most important consideration in favor of the enactment of this paragraph is the fact that in many places where samples are purchased the only officers authorized to administer oaths whose certificates can be obtained are State officers, such as notaries public and justices of the peace, and their official acts and seals are not always recognized by the Federal courts. For instance, in the case of the United States *v. Schallinger Produce Co.*, 230 Fed. Rep., 290, decided in 1914, in the district court of the United States for the eastern district of Washington, Judge Rudkin refused to accept affidavits subscribed and sworn to before notaries public and dismissed the Government's information on the ground that it was not supported by oath or affirmation. (See also *U. S. v. Baumert et al.*, 179 Fed. Rep., 735.)

Since the publication of the decision in the Schallinger case many affidavits sworn to before notaries public have been returned to the department for reexecution before a clerk of a Federal court or a United States commissioner. This has seriously interfered with the efficient administration of the act, to say nothing of the increase in the cost of its administration and the unreasonable delay in bringing cases to trial. Unless relief from this situation is afforded by Congress, the universal application of Judge Rudkin's decision in all the Federal courts will seriously interfere with the enforcement of Federal Statutes and greatly increase the cost of obtaining evidence of violations of law.

Total salaries, Department of Agriculture.....

\$5,613,870.00 \$5.20

Total general expenses, Department of Agriculture.....

20,483,037.00 19.68

Grand total, Department of Agriculture.....

26,096,907.00 24.94

Total appropriations included in the Agricultural appropriation act:

For the fiscal year 1908.....	\$9,447,290
For the fiscal year 1909.....	11,672,106
For the fiscal year 1910.....	12,995,036
For the fiscal year 1911.....	13,487,636
For the fiscal year 1912.....	16,900,016
For the fiscal year 1913.....	16,651,496
For the fiscal year 1914.....	17,986,945
For the fiscal year 1915.....	19,865,832
For the fiscal year 1916.....	22,971,782
For the fiscal year 1917.....	24,948,852

Total amount submitted in printed estimates for inclusion in the Agricultural appropriation bill:

For the fiscal year 1909.....	\$10,666,351
For the fiscal year 1910.....	14,610,626
For the fiscal year 1911.....	13,377,136
For the fiscal year 1912.....	15,997,066
For the fiscal year 1913.....	17,233,452
For the fiscal year 1914.....	18,287,230
For the fiscal year 1915.....	19,061,332
For the fiscal year 1916.....	20,706,013
For the fiscal year 1917.....	24,159,089
For the fiscal year 1918.....	26,096,907

NOTE.—The estimate of the Secretary of Agriculture for "printing and binding," under section 2, act of May 8, 1872 (Rev. Stat., 720, sec. 3661), will be found under the title of "Miscellaneous," post, in the Book of Estimates. For statement of condition of work, efficiency of employees, etc., see Appendix C, in the Book of Estimates.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
PERMANENT ANNUAL APPROPRIATIONS.			
(1) <i>Meat Inspection, Bureau of Animal Industry—</i>			
That there is permanently appropriated, out of any money in the Treasury not otherwise appropriated, the sum of \$3,000,000, for the expenses of the inspection of cattle, sheep, swine, and goats, and the meat and meat-food products thereof which enter into interstate or foreign commerce, and for all expenses necessary to carry into effect the provisions of this act relating to meat inspection, including rent and the employment of labor in Washington and elsewhere, for each year. And the Secretary of Agriculture shall, in his annual estimates made to Congress, submit a statement in detail, showing the number of persons employed in such inspections and the salary or per diem paid to each, together with the contingent expenses of such inspectors and where they have been and are employed (<i>act June 30, 1906, vol. 34, pp. 674-679, secs. 1-22</i>) —	\$3,000,000.00	\$3,000,000.00	\$3,373,533 08
NOTE.—The detailed statement required by law has been submitted to Congress in a separate communication and will be printed as a public document.			
(2) <i>Refund to Depositors Excess of Deposits, National Forests Fund—</i>			
That all money received after July 1, 1907, by or on account of the Forest Service for timber, or from any other source of forest-reservation revenue, shall be covered into the Treasury of the United States as a miscellaneous receipt; and there is hereby appropriated and made available as the Secretary of Agriculture may direct, out of any funds in the Treasury not otherwise appropriated, so much as may be necessary to make refunds to depositors of money heretofore or hereafter deposited by them to secure the purchase price on the sale of any products or for the use of any land or resources of the national forests in excess of amounts found actually due from them to the United States.			
(3) That so much of an act entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1908," approved Mar. 4, 1907 (34 Stat. L., pp. 1256, 1270), which provides for refunds by the Secretary of Agriculture to depositors of moneys to secure the purchase price of timber or the use of lands or resources of the national forests such sums as may be found to be in excess of the amounts found actually due the United States, be, and is hereby, amended hereafter to appropriate and to include so much as may be necessary to refund or pay over to the rightful claimants such sums as may be found by the Secretary of Agriculture to have been erroneously collected for the use of any lands, or for timber or other resources sold from lands located within, but not a part of, the national forests, or for alleged illegal acts done upon such lands, which acts are subsequently found to have been proper and legal; and the Secretary of Agriculture shall make annual report to Congress of the amounts refunded hereunder (<i>acts Mar. 4, 1907, vol. 34, pp. 1256, 1270, sec. 1; Mar. 4, 1911, vol. 36, p. 1253, sec. 1</i>) —	70, 000. 00	50, 000. 00	62, 388. 18

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
(4) <i>Acquisition of Lands for Protection of Watersheds of Navigable Streams—</i>			
That there is hereby appropriated, for the fiscal year ending June 30, 1910, the sum of \$1,000,000, and for each fiscal year thereafter a sum not to exceed \$2,000,000, for use in the examination, survey, and acquirement of lands located on the headwaters of navigable streams or those which are being or which may be developed for navigable purposes: <i>Provided</i> , That the provisions of this section shall expire by limitation on the 30th day of June, 1915 (<i>act Mar. 1, 1911, vol. 36, p. 961, sec. 3</i>) -----			\$1,480,076. 33
(5) <i>National Forest Reservation Commission—</i>			
That a sum sufficient to pay the necessary expenses of the commission and its members, not to exceed an annual expenditure of \$25,000, is hereby appropriated out of any money in the Treasury not otherwise appropriated. Said appropriation shall be immediately available and shall be paid out on the audit and order of the president of the said commission, which audit and order shall be conclusive and binding upon all departments as to the correctness of the accounts of said commission (<i>act Mar. 1, 1911, vol. 36, p. 963, sec. 14</i>) -----	\$25, 000. 00	\$25, 000. 00	212. 77
(6) <i>Cooperative Agricultural Extension Work—</i>			
That for the purpose of paying the expenses of said cooperative agricultural extension work and the necessary printing and distributing of information in connection with the same, there is permanently appropriated, out of any money in the Treasury not otherwise appropriated, the sum of \$480,000 for each year, \$10,000 of which shall be paid annually, in the manner herein-after provided, to each State which shall by action of its legislature assent to the provisions of this act: <i>Provided</i> , That payment of such installments of the appropriation hereinbefore made as shall become due to any State before the adjournment of the regular session of the legislature meeting next after the passage of this act may, in the absence of prior legislative assent, be made upon the assent of the governor thereof, duly certified to the Secretary of the Treasury: <i>Provided further</i> , That there is also appropriated an additional sum of \$600,000 for the fiscal year following that in which the foregoing appropriation first becomes available, and for each year thereafter for seven years a sum exceeding by \$500,000 the sum appropriated for each preceding year, and for each year thereafter there is permanently appropriated for each year the sum of \$4,100,000 in addition to the sum of \$480,000 hereinbefore provided: <i>Provided further</i> , That before the funds herein appropriated shall become available to any college for any fiscal year plans for the work to be carried on under this act shall be submitted by the proper officials of each college and approved by the Secretary of Agriculture. Such additional sums shall be used only for the purposes hereinbefore stated, and shall be allotted annually to each State by the Secretary of Agriculture and paid in the manner hereinbefore provided, in the proportion which the rural population of each State bears to the total rural population of all the States as determined by the next preceding Federal census: <i>Provided further</i> , That no payment out of the additional appropriations herein provided shall be made in any year to any State until an equal sum has been appropriated for that year by the legis-			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
(6) <i>Cooperative Agricultural Extension Work—Continued.</i>			
lature of such State, or provided by State, county, college, local authority, or individual contributions from within the State, for the maintenance of the cooperative agricultural extension work provided for in this Act (<i>act May 8, 1914, vol. 38, p. 373, sec. 3</i>) -----	\$2,080,000.00	\$1,580,000.00	\$1,074,934.73
(7) <i>Cooperative Construction of Rural Post Roads—</i>			
<p>The Secretary of Agriculture is authorized to cooperate with the States, through their respective State highway departments, in the construction of rural post roads; but no money apportioned under this Act to any State shall be expended therein until its legislature shall have assented to the provisions of this Act, except that, until the final adjournment of the first regular session of the legislature held after the passage of this Act, the assent of the governor of the State shall be sufficient. The Secretary of Agriculture and the State highway department of each State shall agree upon the roads to be constructed therein and the character and method of construction: <i>Provided</i>, That all roads constructed under the provisions of this Act shall be free from tolls of all kinds.</p> <p>SEC. 3. That for the purpose of carrying out the provisions of this Act there is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the fiscal year ending June thirtieth, nineteen hundred and seventeen, the sum of \$5,000,000; for the fiscal year ending June thirtieth, nineteen hundred and eighteen, the sum of \$10,000,000; for the fiscal year ending June thirtieth, nineteen hundred and nineteen, the sum of \$15,000,000; for the fiscal year ending June thirtieth, nineteen hundred and twenty, the sum of \$20,000,000; and for the fiscal year ending June thirtieth, nineteen hundred and twenty-one, the sum of \$25,000,000. So much of the appropriation apportioned to any State for any fiscal year as remains unexpended at the close thereof shall be available for expenditure in that State until the close of the succeeding fiscal year, except that amounts apportioned for any fiscal year to any State which has not a State highway department shall be available for expenditure in that State until the close of the third fiscal year succeeding the close of the fiscal year for which such apportionment was made. Any amount apportioned under the provisions of this Act unexpended at the end of the period during which it is available for expenditure under the terms of this section shall be reapportioned, within sixty days thereafter, to all the States in the same manner and on the same basis, and certified to the Secretary of the Treasury and to the State highway departments and to the governors of States having no State highway departments in the same way as if it were being apportioned under this Act for the first time: <i>Provided</i>, That in States where the constitution prohibits the State from engaging in any work of internal improvements, then the amount of the appropriation under this Act apportioned to any such State shall be turned over to the highway department of the State or to the governor of said State to be expended under the provisions of this Act and under the rules and regulations of the Department of Agriculture, when any number of counties in any such State shall appropriate or provide the proportion or share needed to be raised in order to entitle such State to its part of the appropriation apportioned under this Act.</p>			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
(7) <i>Cooperative Construction of Rural Post Roads—Continued.</i>			
<p>SEC. 4. That so much, not to exceed three per centum, of the appropriation for any fiscal year made by or under this Act as the Secretary of Agriculture may estimate to be necessary for administering the provisions of this Act shall be deducted for that purpose, available until expended. Within sixty days after the close of each fiscal year the Secretary of Agriculture shall determine what part, if any, of the sums theretofore deducted for administering the provisions of this Act will not be needed for that purpose and apportion such part, if any, for the fiscal year then current in the same manner and on the same basis, and certify it to the Secretary of the Treasury and to the State highway departments, and to the governors of States having no State highway departments, in the same way as other amounts authorized by this Act, to be apportioned among all the States for such current fiscal year. The Secretary of Agriculture, after making the deduction authorized by this section, shall apportion the remainder of the appropriation for each fiscal year among the several States in the following manner: One-third in the ratio which the area of each State bears to the total area of all the States; one-third in the ratio which the population of each State bears to the total population of all the States, as shown by the latest available Federal census; one-third in the ratio which the mileage of rural delivery routes and star routes in each State bears to the total mileage of rural delivery routes and star routes in all the States, at the close of the next preceding fiscal year, as shown by the certificate of the Postmaster General, which he is directed to make and furnish annually to the Secretary of Agriculture.</p> <p>SEC. 5. That within sixty days after the approval of this Act the Secretary of Agriculture shall certify to the Secretary of the Treasury and to each State highway department and to the governor of each State having no State highway department the sum which he has estimated to be deducted for administering the provisions of this Act and the sum which he has apportioned to each State for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and on or before January twentieth next preceding the commencement of each succeeding fiscal year shall make like certificates for such fiscal year (<i>act July 11, 1916, vol. 39, p. 356, secs. 1, 3, 4, and 5</i>) -----</p>	\$10,000,000.00	\$5,000,000.00	-----
(8) <i>Cooperative Construction, etc., of Roads and Trails, National Forests—</i>			
<p>SEC. 8. That there is hereby appropriated and made available until expended, out of any moneys in the National Treasury not otherwise appropriated, the sum of \$1,000,000 for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and each fiscal year thereafter, up to and including the fiscal year ending June thirtieth, nineteen hundred and twenty-six, in all \$10,000,000, to be available until expended under the supervision of the Secretary of Agriculture, upon request from the proper officers of the State, Territory, or county for the survey, construction, and maintenance of roads and trails within or only partly within the national forests, when necessary for the use and development of resources upon which communities within and adjacent to the national forests are dependent: <i>Provided</i>, That the State,</p>			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
(8) <i>Cooperative Construction, etc., of Roads and Trails, National Forests—Continued.</i>			
<p>Territory, or county shall enter into a cooperative agreement with the Secretary of Agriculture for the survey, construction, and maintenance of such roads or trails upon a basis equitable to both the State, Territory, or county, and the United States: <i>And provided also</i>, That the aggregate expenditures in any State, Territory, or county shall not exceed ten per centum of the value, as determined by the Secretary of Agriculture, of the timber and forage resources which are or will be available for income upon the national forest lands within the respective county or counties wherein the roads or trails will be constructed; and the Secretary of Agriculture shall make annual report to Congress of the amounts expended hereunder.</p> <p>That immediately upon the execution of any cooperative agreement hereunder the Secretary of Agriculture shall notify the Secretary of the Treasury of the amount to be expended by the United States within or adjacent to any national forest thereunder, and beginning with the next fiscal year and each fiscal year thereafter the Secretary of the Treasury shall apply from any and all revenues from such forest ten per centum thereof to reimburse the United States for expenditures made under such agreement until the whole amount advanced under such agreement shall have been returned from the receipts from such national forest.</p> <p>SEC. 9. That out of the appropriations made by or under this Act, the Secretary of Agriculture is authorized to employ such assistants, clerks, and other persons in the city of Washington and elsewhere, to be taken from the eligible lists of the Civil Service Commission, to rent buildings outside of the city of Washington, to purchase such supplies, material, equipment, office fixtures, and apparatus, and to incur such travel and other expense as he may deem necessary for carrying out the purposes of this Act (<i>act July 11, 1916, vol. 39, p. 358, secs. 8 and 9</i>) -----</p>	\$1,000,000.00	\$1,000,000.00	-----
<i>Special Funds.</i>			
(9) <i>Payment to States and Territories from the National Forests Fund—</i>			
<p>That hereafter 25 per cent of all money received from each forest reserve during any fiscal year, including the year ending June 30, 1908, shall be paid at the end thereof by the Secretary of the Treasury to the State or Territory in which said reserve is situated, to be expended as the State or Territorial legislature may prescribe for the benefit of the public schools and public roads of the county or counties in which the forest reserve is situated: <i>Provided</i>, That when any forest reserve is in more than one State or Territory or county the distributive share to each from the proceeds of said reserve shall be proportional to its area therein (<i>acts Mar. 4, 1907, vol. 34, p. 1270, sec. 1; May 23, 1908, vol. 35, p. 260, sec. 1</i>) -----</p>			
<p>That 5 per cent of all moneys received during any fiscal year from each national forest into which the lands acquired under this act may from time to time be divided shall be paid, at the end of such year, by the Secretary of the Treasury to the State in which such national forest is situated, to be expended as the State legislature may prescribe for the benefit of the public schools and public roads of the county or counties in which</p>	700,000.00	625,000.00	\$610,788.49

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
(9) <i>Payment to States and Territories from the National Forests Fund—Con.</i>			
such national forest is situated: <i>Provided</i> , That when any national forest is in more than one State or county the distributive share to each from the proceeds of such forest shall be proportional to its area therein: <i>Provided further</i> , That there shall not be paid to any State for any county an amount equal to more than 40 per cent of the total income of such county from all other sources (<i>act Mar. 1, 1911, vol. 36, p. 963, sec. 13</i>).			
That sec. 13 of the act entitled "An act to enable any State to cooperate with any other State or States, or with the United States, for the protection of the watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers," approved Mar. 1, 1911 (36 Stat. L., 963), is hereby amended by striking out the word "five" in the first line of said section and inserting in lieu thereof the word "twenty-five" (<i>act June 30, 1914, vol. 38, p. 441, sec. 1</i>)-----			
(10) <i>Cooperative Work, Forest Service—</i>			
Hereafter all moneys received as contributions toward cooperative work in forest investigations shall be covered into the Treasury and shall constitute a special fund, which is hereby appropriated and made available until expended, as the Secretary of Agriculture may direct, for the payment of the expenses of said investigations by the Forest Service and for refunds to the contributors of amounts heretofore or hereafter paid in by them in excess of their share of the cost of said investigations (<i>acts Mar. 3, 1905, vol. 33, p. 1070, sec. 1; June 30, 1906, vol. 34, p. 684, sec. 1</i>)-----			
(11) That hereafter all moneys received as contributions toward cooperative work in forest investigations, or the protection and improvement of the national forests, shall be covered into the Treasury and shall constitute a special fund, which is hereby appropriated and made available until expended, as the Secretary of Agriculture may direct, for the payment of the expenses of said investigations, protection, or improvements by the Forest Service, and for refunds to the contributors of amounts heretofore or hereafter paid in by them in excess of their share of the cost of said investigations, protection, or improvements: <i>Provided</i> , That annual report shall be made to Congress of all such moneys so received as contributions for such cooperative work (<i>act June 30, 1914, vol. 38, p. 430, sec. 1</i>)-----	\$35,000.00	\$35,000.00	\$34,584.27
(12) <i>Payment to School Funds, Arizona and New Mexico, National Forests Fund—</i>			
At the close of each fiscal year there shall be paid by the Secretary of the Treasury to the State, as income for its common-school fund, such proportion of the gross proceeds of all the national forests within said State as the area of lands hereby granted to said State for school purposes which are situated within said forest reserves, whether surveyed or unsurveyed, and for which no indemnity has been selected, may bear to the total area of all the national forests within said States (<i>act June 20, 1910, vol. 36, p. 557, sec. 1</i>)-----	45,000.00	45,000.00	38,278.29

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
(13) <i>Roads and Trails for States, National Forests Fund—</i>			
That hereafter an additional 10 per cent of all moneys received from the national forests during each fiscal year shall be available at the end thereof, to be expended by the Secretary of Agriculture for the construction and maintenance of roads and trails within the national forests in the States from which such proceeds are derived; but the Secretary of Agriculture may, whenever practicable, in the construction and maintenance of such roads, secure the cooperation or aid of the proper State or Territorial authorities in the furtherance of any system of highways of which such roads may be made a part (<i>act Mar. 4, 1913, vol. 37, p. 843, sec. 1</i>) ..	\$280,000.00	\$244,000.00	\$286,052.10
(14) <i>Proceeds, Sale of Timber from Indian Lands, Uintah National Forest—</i>			
Indefinite appropriation of the proceeds from the sale of timber on Uintah National Forest; such sums as may be appropriated being available for transfer from this special fund to the Indian trust fund "Proceeds of Uintah and White River Ute lands," upon rendition from time to time of auditor's certificates of settlement calling for transfer (<i>act Mar. 3, 1905, vol. 33, p. 1070, sec. 1</i>) ..			
(15) <i>Agricultural Experiment Stations, Receipts from Sales¹—</i>			
Receipts from sales of products, Alaska (<i>act June 3, 1902, vol. 32, p. 302, sec. 1</i>) ..			
Receipts from sales of products, Hawaii (<i>same act</i>) ..			
Receipts from sales of products, Porto Rico (<i>same act</i>) ..		11,000.00	4,564.73
Receipts from sales of products, Guam (<i>act May 23, 1908, vol. 35, p. 266, sec. 1</i>) ..			
Total Permanent and Indefinite under Department of Agriculture ..	17,235,000.00	11,615,000.00	6,965,412.97
(16) <i>Appropriation Transferred from Interior Department—</i>			
[Carried in sundry civil act.]			
For the protection of lands involved in Oregon and California Railroad forfeiture suit: To enable the Secretary of the Interior, with the cooperation of the Secretary of Agriculture or otherwise, as in his judgment may be most advisable, to establish and maintain a patrol to prevent trespass and to guard against and check fires upon the lands involved in the case of the United States versus Oregon and California Railroad Company and others, suit numbered thirty-three hundred and forty, in the district court for the District of Oregon, now pending on appeal in the Supreme Court of the United States ..		25,000.00	25,000.00

¹ These appropriations repealed by act of Mar. 4, 1915, vol. 38, p. 1109, sec. 1.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1918—Continued.

		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1917.	Amount appropriated for the fiscal year ending June 30, 1916.
PRINTING AND BINDING.				
[Carried in sundry civil act.]				
(17)	For the Department of Agriculture, including not to exceed \$47,000 for the Weather Bureau, and including the Annual Report of the Secretary of Agriculture, as required by the act approved January twelfth, eighteen hundred and ninety-five, and in pursuance of the joint resolution numbered thirteen, approved March thirtieth, nineteen hundred and six, and also including not to exceed \$200,000 for farmers' bulletins, which shall be adapted to the interests of the people of the different sections of the country, an equal proportion of four-fifths of which shall be delivered to or sent out under the addressed franks furnished by Senators, Representatives, and Delegates in Congress, as they shall direct-----	\$675, 000. 00	\$600, 000. 00	\$500, 000. 00
Total-----		17,910,000.00	12,240,000.00	7,490,412.97

Total appropriations for the Department of Agriculture, including permanent annual appropriations, deficiency acts, special acts, and printing and binding under sundry civil act:

For the fiscal year—

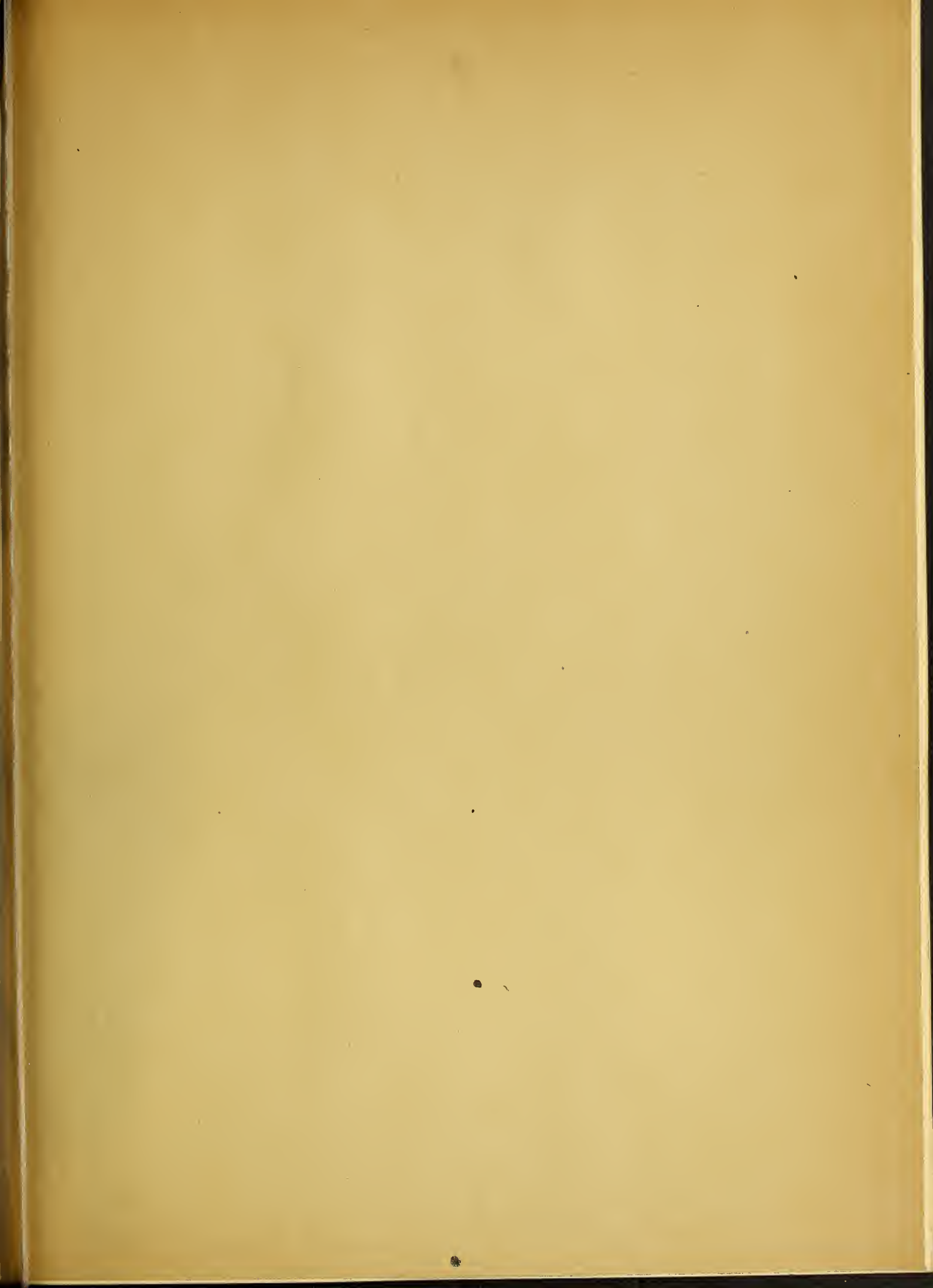
1908-----	\$13, 037, 802. 62
1909-----	16, 153, 534. 74
1910-----	17, 115, 410. 35
1911-----	20, 888, 449. 28
1912-----	22, 402, 301. 11
1913-----	25, 177, 164. 68
1914-----	24, 449, 824. 37
1915-----	26, 840, 434. 55
1916-----	29, 019, 703. 98
1917-----	37, 188, 852. 00

Buildings rented by the Department of Agriculture in the District of Columbia for the fiscal year 1917.

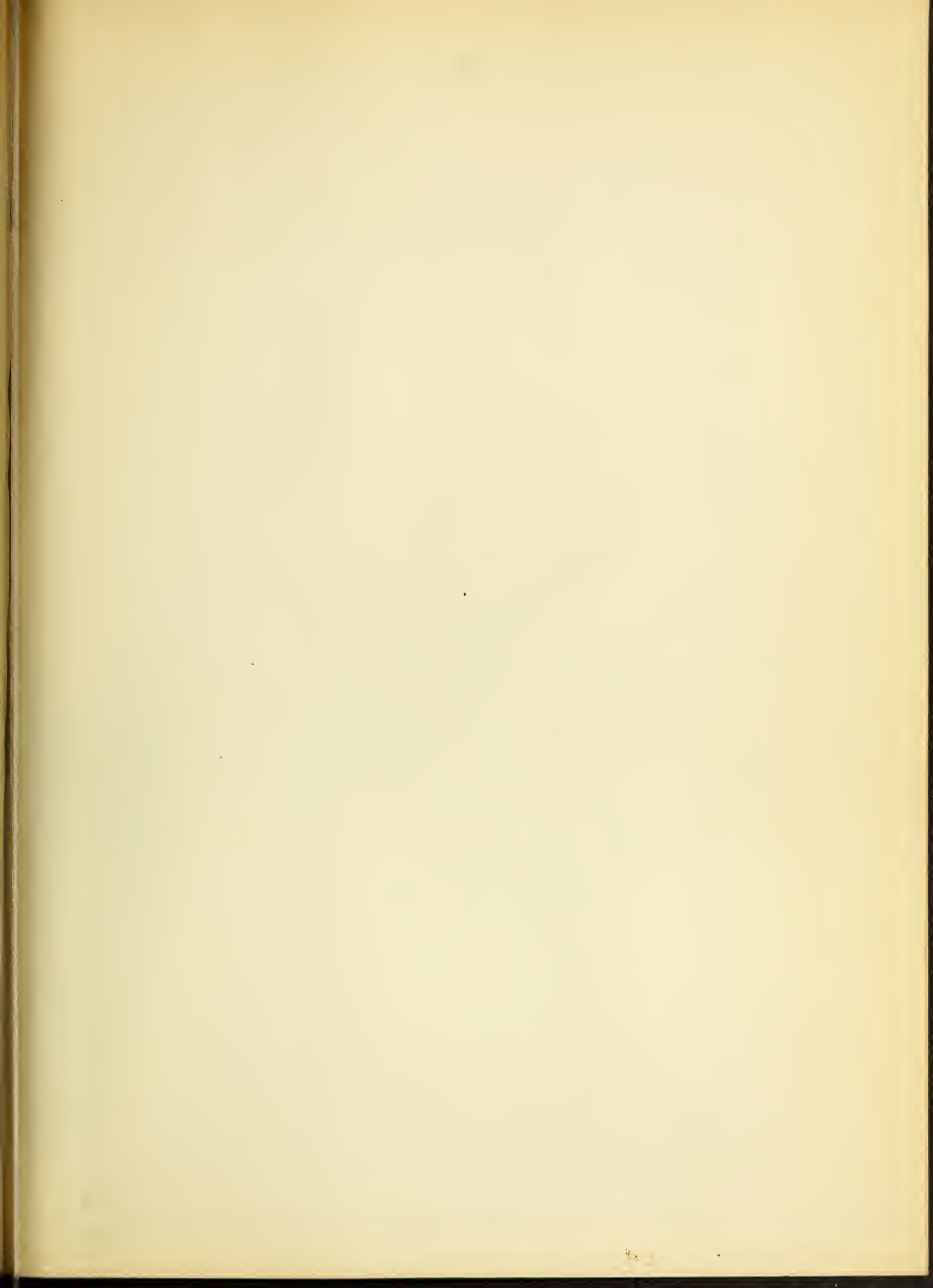
Name or location of building.	Purpose for which used.	Floor space (gross).	Annual rental.	Annual rental per square foot.	Assessed valuation of buildings and grounds.	Proportion of rental covering cost of heat, light, water, elevator, or other service.
		<i>Sq. feet.</i>				
Munsey Building, rooms 919-920.....	Bureau of Animal Industry (offices).....	366	\$420	\$1.15	\$655,820.00	\$100.00
Atlantic Building, 930 F Street NW.....	Forest Service (offices).....	54,600	18,000	.329	138,670.00	3,493.00
Rear of 913 E Street NW.....	Forest Service (carpenter shop).....	1,470	270	.183	400.00	(1)
Willard Building, 513 to 515 Fourteenth Street NW.....	Office of Public Roads (offices and laboratories).....	36,324	9,500	.261	182,160.00	(1)
Globe Building, 339 Pennsylvania Avenue NW.....	Bureau of Plant Industry (packeting, assembling, and mailing seeds; storage).....	40,000	4,800	.12	30,476.00	(1)
Rear of 915 E Street NW.....	Forest Service (storage).....	1,150	300	.26	300.00	(1)
1304-1306 B Street SW.....	Bureau of Plant Industry (offices).....	13,530	2,500	.184	18,169.00	(1)
1316 B Street SW.....	Office of the Solicitor (offices and storage).....	10,427	3,000	.287	12,647.00	(1)
1358 B Street SW.....	Office of Markets, Bureau of Animal Industry, Library, Bureau of Biological Survey, Division of Publications, and Bureau of Plant Industry (offices and laboratories).....	85,000	35,360	.416	182,744.00	(1)
215 Twelfth Street SW.....	Bureau of Plant Industry (offices).....	2,771	450	.162	3,868.00	(1)
Rear of 215 Twelfth Street SW.....	Bureau of Chemistry, Office of the Secretary (storage).....	2,682	600	.223	3,483.00	(1)
217 Twelfth Street SW.....	Office of Exhibits and Bureau of Plant Industry (offices).....	2,771	450	.162	5,491.00	(1)
224 Twelfth Street SW.....	Office of Farm Management (offices).....	12,360	2,500	.202	17,332.00	(1)
212-214 Thirteenth Street SW.....	Bureau of Chemistry (offices and storage).....	8,600	960	.111	8,758.00	(1)
215 Thirteenth Street SW.....	Division of Publications (offices and storage).....	19,390	4,000	.206	21,726.00	(1)
216 Thirteenth Street SW.....	Bureau of Chemistry (offices and laboratories).....	59,000	16,000	.271	98,776.00	(1)
220 Thirteenth Street SW.....	Insecticide and fungicide board (offices and laboratories).....	9,900	3,000	.303	17,424.00	(1)
Rear of 215 Linworth Place SW.....	Bureau of Animal Industry (storage).....	297	120	.404	500.00	(1)
221 Linworth Place SW.....	Bureau of Plant Industry, Bureau of Animal Industry, and Office of Markets (offices, warehouse, and cotton and paper work).....	21,600	5,400	.25	30,849.00	(1)
200-202 Fourteenth Street SW.....	Bureau of Plant Industry, States Relations Service, Bureau of Biological Survey, and Forest Appeals (offices and laboratories).....	15,140	3,000	.198	20,167.00	(1)
220 Fourteenth Street SW.....	Bureau of Plant Industry and States Relations Service (offices and storage).....	60,000	20,000	.333	120,925.00	(1)
Rear of 1223 C Street SW.....	Office of Public Roads (storage).....	1,195	144	.12	400.00	(1)
929 Seventh Street SW.....	Bureau of Soils, Bureau of Animal Industry, Office of Public Roads, and Office of Chief Clerk (storage).....	8,280	690	.072	16,393.00	(1)
818 Four-and-a-half Street SW.....	Office of Markets (storage).....	5,600	360	.064	3,767.00	(1)
1315 C Street NW.....	do.....	4,100	1,000	.243	6,564.00	(1)
Total amount paid for rent in the District of Columbia.....			\$132,734			

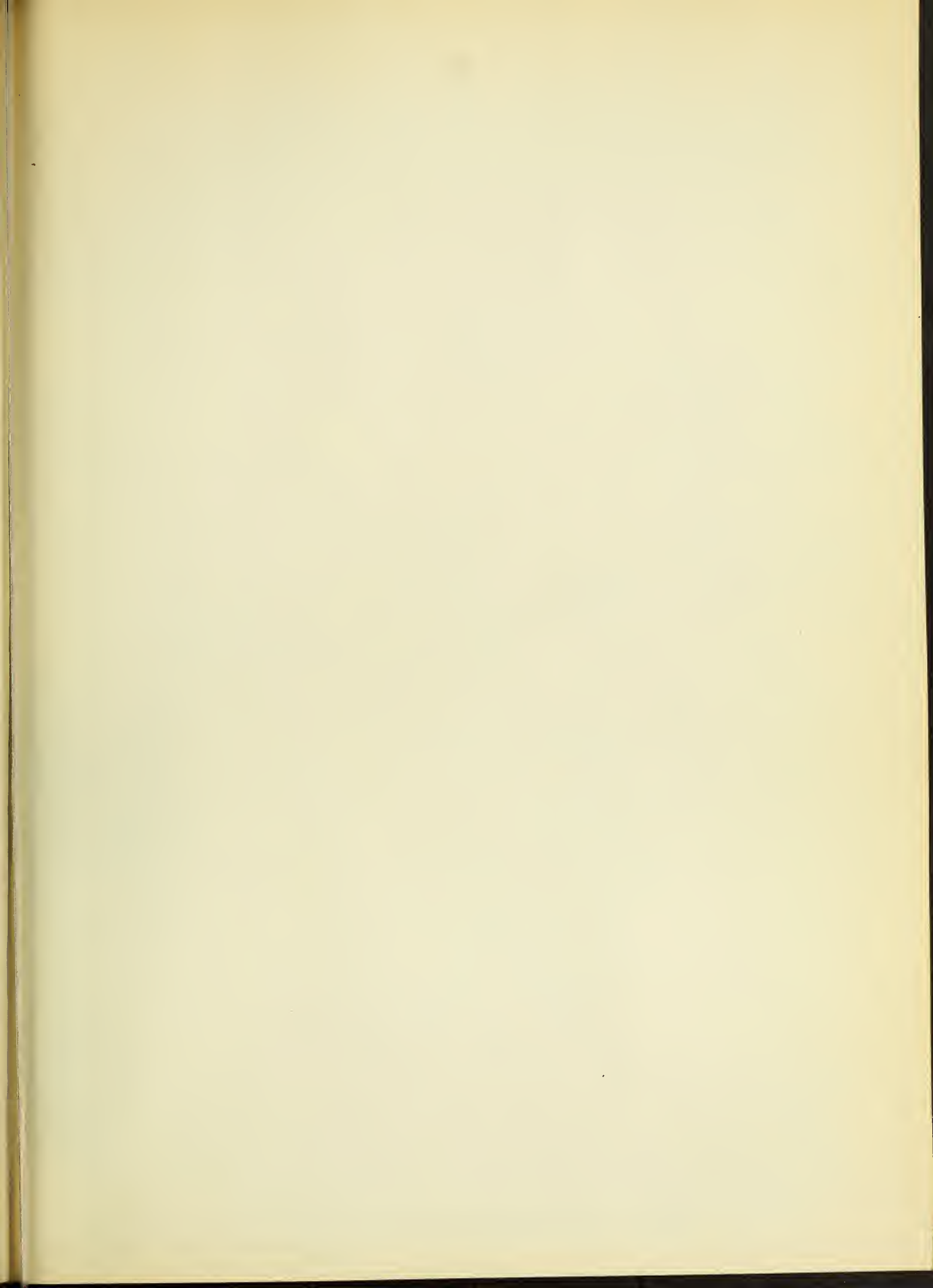
1 None.

Average rental, 27³/₁₀₀ cents per square foot.









rec'ts & dis-
appropriations.

157624

8-2452

